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REVIEW OF IRON ORE STATISTICS

Iron ore statistics 1986-1993

Prepared by the UNCTAD secretariat

GE.94-53266

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INTRODUCTION

1. This document is issued under the UNCTAD statistical programme on minerals and metal statistics. It contains information, updated in as much as is possible, covering the period 1986-1993. With 27 tables and the same format as in the previous version, it also includes definitions and footnotes to facilite understanding of the statistics.

2. Improvements to this document take into account the discussions held on statistical issues during past sessions of the Intergovernmental Group of Experts on Iron Ore, as well as their suggestions.

3. The present compilation of iron ore statistics is based primarily on the replies to the UNCTAD questionnaire on iron ore. The questionnaire was sent to all member States of UNCTAD and to the Commission of the European Communities on 28 December 1993. As of 12 July 1994, some 38 countries in addition to the Commission had responded to the questionnaire. Their replies are summarized in the annex.

4. Data for countries which have not responded to the questionnaire were compiled on the basis of statistics available in the UNCTAD data bank, which collates data on production and trade of several commodities, and/or information directly supplied by governments in the form of magnetic tapes or national statistical publications to the United Nations Statistical Office. Relevant publications of other international organizations have been used to supplement these data.

5. Every possible attempt has been made to tabulate comparable statistics taking into account uniform criteria and commonly agreed upon definitions. Nevertheless, there is room for further improvements in this area. The regular and widespread use of the UNCTAD questionnaire has proved very useful and remains an important tool to this end.

6. Although complete geographical coverage of its statistics is a major aim of the secretariat, some tables in this document present original data based exclusively on replies to the questionnaire, and hence lack complete geographical coverage. It should be acknowledged, however, that a great number of countries did provide additional data.

7. Considering there was no sufficient detailed data for 1993 for iron ore imports of Eastern European countries, the corresponding table (table 12) was deleted. On the other hand, given the growing importance of China to the world trade in iron ore, a new table (table 12) has been added on the origin of iron ore imports to China for the period 1988-1993.

EXPLANATORY NOTES

1. The following symbols are applicable to all tables:

   (a) The symbol "#" indicates that the data concerned have been supplied by governments in response to the questionnaire.

   (b) The symbol "-" indicates that the amount is nil or negligible.

   (c) The symbol ".." indicates that information is not available.

   (d) The letter "E" indicates that data have been estimated by the UNCTAD secretariat in the absence of data supplied by Governments and when data are not available from official national publications.

   (e) The term "tonnes" refers to metric tons.

   (f) The term "dollars" refers to United State dollars.

2. German reunification on 3 October 1990 increased the territory within the European Economic Community, rendering statistical comparison with previous years difficult. In this report, statistics for Germany for 1991-1993 represent the enlarged territory. As a result of this new situation, the interpretation of figures after 1990 should take in account that ***totals for developed market-economy countries, as well as for the Europen Union, are higher***; in contrast, ***totals for the countries in Eastern Europe are lower*** since figures fcr the former German Democratic Republic are excluded.

3. In order to facilitate statistical analysis, this report shows for the period 1991-1993 figures for the former USSR; however, since 26 December 1991 the name Russian Federation in place of the name Union of Soviet Socialist Republics is to be used in the United Nations. While the UNCTAD secretariat received some statistics from Estonia, Kazakhsyan, Latvia. Moldova, Russian Federation, and Ukraine, these data are presented for information only and do not figure in the totals.

4. The Intergovernmental Group of Experts on Iron Ore noted the implementation in a large number of countries of the nomenclature of the *Harmonized Commodity Description and Coding System*. There is a close correlation between this system and the *Standard International Trade Classification* (SITC) of the United Nations. The table below gives the concordance between the five statistical international trade codes currently in use: *Standard International Trade Classification* (SITC, Rev.1), *Revised Standard International Trade Classification* (SITC Rev.2 and Rev.3), *Customs Co-operation Council Nomenclature* (CCCN), *and Harmonized Commodity Coding System* (HS).

Item	SITC Rev. 1	SITC Rev.2	SITC Rev.3	CCCN	HS
Iron ore and concentrated					
Non-agglomerated	2813	2815	2815	2601B	260111
Agglomerated (sinter, pellets, briquettes)	2813	2816	2816	2601C	260112
Pig iron in pigs, blocks or other primary forms	6712	6712	6712	7301	720110
Sponge iron or ferrous products obtained by direct reduction of iron ore (DRI)	67133	67133	677133	7305B	720310
Ferrous Scrap, or waste of					

DEFINITIONS

Weight	***Natural***: natural state of extraction, normally wet.
Year	Statistics are presented for the ***calendar year*** from 1 January to 31 December.
Production	Ores, concentrates, non-agglomerates and agglomerates. ***Marketable*** products only.
Trade	Quantities of iron-ore traded by type of product in terms of ***natural weight*** and ***Fe content***. Value for exports: f.o.b. basis. Value for imports: c.i.f. basis.
Run of mine	***Marketable*** unprepared iron-ore with more than 20% fines.
Lumps	Unbeneficiated ***marketable*** ore, typically between 10 and 30mm. Usually less than 20% fines.
Fines	Small particles of ***marketable*** ore normally requiring agglomeration (sintering or pelletizing). Usually below 10mm.
Concentrates	***Marketable*** ore treated in concentration plant to retain valuable constituants and discard those of no commercial interest.
Pellet-feed	Iron ore fines for pelletizing. Usually very fine, below 0.1mm.
Pellets	Iron ore fines agglomerated into a rough ball shape typically 10mm in diameter.
Sinter	Agglomeration of natural ore fines, ore concentrates, flue dust and other bearing materials.
Ferrous scrap	Scrap high in Fe content used by the iron ore and steel industry.
Pig iron	Primary iron produced from iron ore in blast furnaces.
Sponge iron-ore or DRI	Primary iron produced through direct reduction without exceeding the melting temperature.
Crude steel	Measured at the first stage of solidification, except for liquid steel for casting.

COMPLEMENTARY SOURCES

Statistical Yearbook, and World Steel in figures,
International Iron and Steel Institute, Brussels.

Monthly Bulletin of Statistics,
United Nations, New York.

Monthly Report of the Iron and Steel Statistics,
Japan Iron and Steel Federation, Tokyo.

Siderurgia Latino-Americana,
Instituto Latino-Americano del Fierro y Acero, Santiago.

Direct from Midrex,
Midrex Corporation, North Carolina, United States.

1. IRON ORE : Production[1]

(thousand tonnes, natural weight)[2]

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993	% change 93/92
WORLD	**914707**	**931714**	**960428**	**988156**	**976452**	**949945**	**918224**	**941679**	**2.6**
DEVELOPED MARKET ECONOMY COUNTRIES	**246690**	**253938**	**262286**	**278047**	**272451**	**281122**	**268548**	**269499**	**0.4**
AMERICA	**76125**	**84164**	**97924**	**99014**	**91491**	**92626**	**89362**	**87953**	**-1.6**
Canada	36679#	36520#	40409#	41142#	36033#	37111#	34449#	32292#	-6.3
United States	39446	47644	57515	57872	55458	55515#	54913#	55661#	1.4
EUROPE	**48868**	**43143**	**40401**	**40614**	**36165**	**35239**	**31645**	**28432**	**-10.2**
European Union	*20970*	*16598*	*14453#*	*14083#*	*11907*	*11582*	*8589*	*6120*	*-28.7*
France	12560	11566	9872#	9319#	8720#	7492#	5706#	3520	-38.3
Germany	717	247	70#	102#	84#	118#	109#	100	-8.3
Greece	1300E	..	..	..	..	..	..	..	.
Portugal	50	30	25	20	20E	-	-	-	-
Spain	6054#	4492#	4262#	4610#	3030#	3915#	2746#	2475#	-9.9
United Kingdom	289	263	224#	32#	53#	57#	28#	0	-
EFTA	*27896*	*26545*	*25948*	*26531*	*24258*	*23657*	*23056*	*22337*	*-3.1*
Austria	3120#	3050#	2300#	2410#	2300#	2120#	1627#	1427#	-12.3
Finland	643#	648	557#	-	-	-	-	-	-
Norway	3660	3140	2644#	2358#	2081#	2209#	2152#	2182#	1.4
Sweden	20473#	19707	20447	21763#	19877#	19328#	19277#	18728#	-2.8
SOUTH AFRICA	**24483**	**22008#**	**25247#**	**29958#**	**30291#**	**28952**	**28226#**	**29385#**	**4.1**
ASIA	**291**	**295**	**278**	**251**	**208**	**40**	-	-	-
Japan	291#	295	278	251	208	40	-	-	-
OCEANIA	**96925**	**104328**	**98436**	**108210**	**114296**	**124265**	**119315**	**123729**	**3.7**
Australia	94015#	101748#	96084#	105810#	112000#	122000	117215#	121429#	3.6
New Zealand	2910	2580	2352#	2400E	2296#	2265#	2100E	2300E	9.5
DEVELOPING COUNTRIES AND TERRITORIES	**263008**	**268914**	**281757**	**290309**	**285778**	**282091**	**267735**	**282036**	**5.3**
AFRICA	**32150**	**30827**	**29982**	**31349**	**22568**	**18208**	**15808**	**14847**	**-6.1**
Algeria	3360#	3575#	3400E	2748#	2930#	2700#	2563#	2600E	1.4
Egypt	1999	2112#	2400#	2400E	2420#	2371#	1978#	2300	16.3
Liberia	15600	13806#	12808#	12300	3981	1200	1705	-	-
Mauritania	9262#	9120#	9782#	12114#	11416#	10194#	8094#	9196	13.6
Morocco	200	204	117#	126#	50#	54#	71#	168#	137.0
Tunisia	310	290	226#	190#	191#	191#	189#	200#	5.8
Zimbabwe	1419#	1720#	1249#	1471#	1580#	1498#	1208#	383#	-68.3
AMERICA	**165596**	**171788**	**185548**	**192671**	**192851**	**192836**	**182831**	**197781**	**8.2**
Argentina	710	800	1162#	677#	444#	89#	3#	2#	-33.3
Bolivia [3]	-	-	15#	14#	125#	102#	100E	95E	-5.0
Brazil [4]	129054	134105#	146000#	153743#	152303#	150657#	145820#	159400#	9.3
Chile	6326#	6131#	7295#	8112#	7811#	8691#	7643	7005#	-8.3
Colombia	523#	615	615#	600	628#	607#	713	600	-15.8
Mexico	7581	7374	7830#	7538#	8114#	9138E	7763#	8000E	4.7
Peru [3]	5195#	5567#	4158#	3935	3307#	3593#	2855	5200E	82.1
Venezuela	16207#	17196	18473#	18052#	20119#	19959#	18054#	17479#	-3.2
ASIA	**58644**	**60316**	**60684**	**61852**	**66227**	**68875**	**67796**	**69108**	**1.9**
India	51169#	51335#	49961#	51434#	53702#	56884#	54872#	56000E	2.1
Iran,Islamic Rep.	2000E	3000E	4300	5630	5500E	6184#	7000E	7200E	2.9
Malaysia	208	161	209#	193#	348	384	320#	350E	9.4
Republic of Korea	525	510	672	344#	370#	290#	300E	260#	-13.3
Syrian Arab Republic	..	..	..	..	20#	20E	20E	20E	-
Thailand	37#	97	99	160	132	228	459#	208#	-54.7
Turkey	4705#	5213#	5443#	4091#	6155#	4885#	4825#	5070#	5.1
EUROPE	**6618**	**5983**	**5543**	**4438**	**4132**	**2172**	**1300**	**300**	**-76.9**
Yugoslavia (former)	6618	5983	5543#	4438#	4132#	2172	1300E	300E	-76.9

1. IRON ORE : Production[1]
(concluded)

(thousand tonnes, natural weight)[2]

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993	% change 93/92
COUNTRIES IN EASTERN EUROPE	**256379**	**256842**	**253605**	**246700**	**239373**	**201942**	**176463**	**155444**	**-11.9**
Bulgaria	2179	1857	1826	1613	1079#	858#	349#	500E	43.3
Czechoslovakia (former)	1784	1798	1773	1780#	1710	1740	726#	600E	-17.4
Poland	9	6	6	7	6E	5E	-	-	-
Romania	2431	2281	2000#	2000#	578#	477E	388#	344#	-11.3
USSR (former)	249976	250900	248000#	241300#	236000#	198862#	175000	154000	-12.0
of which									
Kazakhstan	..	..	..	..	..	..	..	12634	-
Ukraine	..	..	..	..	105866#	86813#	..	..	-
Russian Fed.	..	..	..	..	106800	90900	82100	76000	-7.4
SOCIALIST COUNTRIES OF ASIA	**148630**	**152020**	**162780**	**171100E**	**178850**	**184790**	**205438**	**234700**	**14.2**
China	140630	144020	154780	162100	169350	175290	195938	224700	14.7
Democratic People's Republic of Korea	8000	8000	8000	9000E	9500E	9500E	9500E	10000E	5.3

1 Production includes ores, concentrates and iron ore agglomerated. Marketable products only.

2 Natural weight: natural state of extraction, normally wet.

3 Dry weight.

4 Pellets not included.

2. IRON ORE : Production

(thousand tonnes, Fe content)[1]

Region country or area	% Fe	1986	1987	1988	1989	1990	1991	1992	1993
WORLD		**502662**	**518612**	**550149**	**566490#**	**557233**	**538776**	**513390**	**524552**
DEVELOPED MARKET ECONOMY COUNTRIES		**149631**	**154652**	**161136**	**172251**	**168540**	**173138**	**163542**	**167890**
AMERICA		**46995**	**51926**	**60375**	**62597**	**57857**	**58576**	**56511**	**55418**
Canada	62.8	23229#	23340#	25866#	26022#	22808#	23491	21806	20279
United States	63.2	23766	28586	34509	36575	35049	35085	34705	35139
EUROPE		**24878**	**22044**	**21354**	**21019**	**19059**	**18835**	**17598**	**16217**
European Union		*7815*	*5816*	*5152*	*5124#*	*4057#*	*4067#*	*2985#*	*1964*
France	28.0	4198	3566	3119#	2945#	2650#	2255#	1643#	993#
Germany	14.0	212	68	10#	14#	12#	17#	15#	14
Greece	-	559	..	..	..	..	..	..	..
Portugal	-	26	15	13#	10	10	10	-	-
Spain	46.0	2761#	2109#	1961#	2148#	1373#	1773#	1321#	957#
United Kingdom	20.4	59	58	49#	7#	12#	12#	6#	..
EFTA		*17063*	*16228*	*16202*	*15895*	*15002*	*14768*	*14613*	*14253*
Austria	32.1	1006	376#	744#	781#	749#	691	511	458
Finland	-	432#	402	373#	-	-	-	-	-
Norway	65.0	2379	2041	1692#	990#	1352#	1436#	1399#	1418#
Sweden	65.9	13246#	12809	13393#	14124#	12901#	12641#	12703#	12377
SOUTH AFRICA	**65.4**	**15914**	**14297**	**16461#**	**19461#**	**19689**	**18819**	**18460#**	**19218**
ASIA		**162**	**168**	**158**	**136**	**112**	**22**	-	-
Japan	54.0	162	168	158	136	112	22	-	-
OCEANIA		**61682**	**66216**	**62788**	**69038**	**71823**	**76886**	**70971**	**77037**
Australia	62.4	60082#	64798#	61494#	67718#	70560#	75640	69771	75772
New Zealand	55.0	1600	1419	1294	1320	1263#	1246	1200	1265
DEVELOPING COUNTRIES AND TERRITORIES		**161793**	**169876**	**180232**	**186792#**	**181862**	**179186**	**170973**	**180068**
AFRICA		**19272**	**19250**	**18695**	**19347**	**13534**	**11096**	**9259**	**8538**
Algeria	50.0	1679	1691	1598	1429#	1524#	1404	1282	1300
Egypt	53.0	950	1120#	1250#	1250	1287#	1261#	1048#	1219#
Liberia	67.0	9516	9250	8581	8241	2667	804	1142	-
Mauritania	61.1	6020#	5928#	6358#	7401#	7009#	6626#	4945#	5619
Morocco	45.0	116	116	71#	75#	30#	32#	43#	76
Tunisia	50.0	158	131	113	95	96	96	94	100
Zimbabwe	58.5	833#	1014	724#	856#	921#	873#	705#	224#
AMERICA		**103744**	**111036**	**122300**	**126992**	**124930**	**124043**	**118613**	**128344**
Argentina	64.5	383	432	748#	437#	286	55	-	-
Bolivia	60.0	-	-	9	8	75#	61	60	59
Brazil	65.0	80771	87168#	97090#	102241#	98997#	97927#	94783#	103610#
Chile	64.1	4145#	4017	4778#	5267#	5111#	5572#	4886	4487
Colombia	45.3	235#	399#	277#	270	283#	275#	317	320
Mexico	66.8	4960	5200	5167#	5013#	5436#	5360	5186#	5344
Peru	66.2	3364#	3674	2684#	2538	2182#	2379#	1920	3442
Venezuela	63.4	9886#	10146	11547#	11218#	12560#	12414#	11461#	11082
ASIA		**36659**	**37676**	**37463**	**38412**	**41498**	**43048**	**42503**	**43048**
India	63.0	32392#	32550#	31720#	32484#	34369#	35837	34569	35280
Iran,Islamic Rep.	61.6	1100	1650	2365	3096	3025	3811	4312	4435
Malaysia	60.0	118	112	121#	116#	204	230	192	210
Republic of Korea	60.0	297	286	370	193#	199#	174#	330	156
Syrian Arab Republic	60.0	..	..	..	..	3#	3	3E	3E
Thailand	60.0	22	58	59	96	79	137	275#	125
Turkey	58.0	2730#	3020#	2828#	2427#	3619#	2856#	2822#	2839#
EUROPE		**2118**	**1914**	**1774**	**2041**	**1900**	**999**	**598**	**138**
Yugoslavia (former)	46.0	2118	1914	1774	2041#	1900	999	598	138

2. IRON ORE : Production

concluded

(thousand tonnes, Fe content)

Region country or area	% Fe	1986	1987	1988	1989	1990	1991	1992	1993
COUNTRIES IN EASTERN EUROPE		**138017**	**139877**	**150608**	**146212**	**142703**	**120348**	**105549**	**92400**
Bulgaria	44.3	719	613	603	533	321	297	155	222
Czechoslovakia (former)	27.0	607	611	603	477#	462	470	196	162
Poland	-	3	2	2	2	2	2	-	-
Romania	48.0	486	456	600#	600#	318	262	198	165
USSR (former)	60.0	136202	137995	148800#	144600#	141600#	119317	105000	93600
of which									
Kazakhstan	57.9	..	..	..	..	..	..	..	7316#
Russian Fed.	60.0	..	..	..	..	64080	54560	49260	45600
Ukraine	58.0	..	..	..	..	65631#	50406#	..	..
SOCIALIST COUNTRIES OF ASIA		**53221**	**54407**	**58173**	**61235**	**64128**	**66104**	**73328**	**83645**
China	35.0	49221	50407	54173	56735	59378	61354	68578	78645
Democratic People's Republic of Korea	50.0	4000	4000	4000	4500	4750	4750	4750	5000

1 Fe content: 1 % Fe unit by weight per metric ton of marketable ore

3. IRON ORE: Production by products, 1993

(thousand tonnes, natural weight)

Country or area	Non-agglomerated						Agglomerated	
	Run of mine [1]	Lumps [2]	Fines [3]	Concentrates [4]	Pellet feed [5]	Others	Pellets [6]	Sinter [7]
Australia	2,949	44,958	70,805	85	1,300	-	1,533	-
Chile	..	1,076	1,583	74	852	-	3,420	-
Canada	-	-	-	12,114	-	-	19,066	1,112
France	3,548	-	-	-	-	-	-	-
Morocco	120	40	-	8	-	-	-	-
Norway	-	-	-	2,182	-	-	-	-
Romania	-	-	-	344	-	-	-	-
South Africa	29,385	-	-	-	-	-	-	-
Spain	-	-	-	2,475	-	-	-	-
Sweden	-	547	7,744	86	-	-	10,350	-
Turkey	-	688	2,860	518	1,121	-	1,004	4,462
United Kingdom	..	-	-	-	-	-	-	-
Venezuela	17,133	3,328	7,154	-	6,997	-	5,863	-
Zimbabwe	-	329	112	-	-	-	-	

1 Marketable unprepared iron ore with more than 20 per cent fines.

2 Marketable iron ore between 10 and 30mm with usually less than 20 per cent fines.

3 Marketable fine ore, usually below 10mm (or similar size).

4 Marketable product from a concentrate plant.

5 Fine ore or concentrate very fine, usually below 0.1mm.

6 Iron ore fines agglomerated into a rough ball shape typically 10mm.

7 Agglomerated fines or concentrates and other iron-bearing materials.

4. PELLETS [1]: Production

(thousand tonnes)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993
WORLD	**196474**	**211500**	**230244**	**235838**	**225217**	**211130**	**200454**	**206515**
DEVELOPED MARKET ECONOMY COUNTRIES	**82042**	**90817**	**103772**	**107520**	**99578**	**96319**	**95712**	**97487**
AMERICA	**61656**	**70031**	**82248**	**84398**	**77331**	**75117**	**74625**	**75066**
Canada	23861#	24120#	26291#	27113#	22515#	20462	19625#	19066#
United States	37795#	45911#	55957#	57285#	54816#	54655#	55000E	56000E
EUROPE	**14542**	**14852**	**15015**	**16494**	**15869**	**15009**	**14800**	**17010**
European Union	*4000*	*4200*	*4506*	*4588*	*4507*	*4013*	*2971*	*5160*
Belgium-Luxembourg	500	500	710#	588#	663#	473#	292#	300E
Italy	-	-	-	-	-	-	507#	550E
Netherlands	3500	3700	3796#	4000#	3844#	3540#	2172#	4310#
EFTA	*10542*	*10652*	*10509*	*11906*	*11362*	*10996*	*11829*	*11850*
Finland	-	-	-	480#	-	-	-	-
Norway	1700	1500	1400#	1400	1397	1211	1513	1500E
Sweden	8842#	9152	9109#	10026#	9965#	9785#	10316#	10350#
ASIA	**2506**	**2625**	**3109**	**3128**	**3378**	**3393**	**3487**	**3811**
Japan	2506	2625	3109#	3128#	3378#	3393#	3487#	3811#
OCEANIA	**3338**	**3309**	**3400**	**3500**	**3000**	**2800**	**2800**	**1600**
Australia	3338#	3309#	3400E	3500E	3000E	2800#	2800#	1600#
DEVELOPING COUNTRIES AND TERRITORIES	**44082**	**47333**	**53637**	**54568**	**52339**	**49011**	**48419**	**48728**
AFRICA	**2700**	**3060**	**3390**	**3178**	**1675**	**170**	**160**	**160**
Liberia	2700	3060#	3215#	3000	1500	-	-	-
Nigeria	..	..	175#	178#	175E	170E	160E	160E
AMERICA	**40103**	**42766**	**45273**	**45656**	**44162**	**43292**	**41230**	**42883**
Argentina	646	465	597	658#	612	101	-	-
Brazil	24268	24852	26084#	26990#	24684#	24392#	22500#	23500#
Chile	3317	3694#	4073#	3924#	4015#	4154#	3921	3420#
Mexico	6663#	7400#	7937#	7582#	8298#	7634	8047#	8000E
Peru	1916	2011	1774#	1848	1304#	1360#	1460	2100E
Venezuela	3293#	4344#	4808#	4654	5249	5651	5302	5863#
ASIA	**1203**	**1451**	**4949**	**5673**	**6452**	**5519**	**5009**	**5685**
Bahrain	500	-	2500E	3000E	3500E	2600E	2500E	2500E
India	200	587#	1467#	1887	1920	1919	2000E	2500E
Turkey	503#	864#	982#	786#	1032#	1000#	963#	1004#
EUROPE	**76**	**56**	**25#**	**61**	**50**	**30**	**10**	-
Yugoslavia (former)	76	56	25#	61#	50E	30E	10E	-
COUNTRIES IN EASTERN EUROPE	**68730**	**69030**	**68235**	**68950**	**68300**	**59800**	**51323**	**50300**
Czechoslovakia (former)	230	230E	262#	250E	300	300	323#	300E
USSR (former)	66500	68800	67973#	68700#	68000#	59500	51000E	50000E
of which								
Kazakhstan	..	..	..	..	..	..	..	6424#
Ukraine	..	..	..	..	22000	22144#	..	..
SOCIALIST COUNTRIES OF ASIA	**3620**	**4320**	**4600**	**4800**	**5000**	**6000**	**7000**	**10000**
China	3620	4320	4600E	4800E	5000E	6000E	7000E	10000E

[1] Pellets. Iron ore fines agglomerated into a rough ball shape typically 10mm diameter.

5. SINTER [1]: Production

(thousand tonnes)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993
WORLD	**544996**	**538263**	**563613**	**563461**	**544318**	**514958**	**490065**	**493074**
DEVELOPED MARKET ECONOMY COUNTRIES	**218590**	**208920**	**228822**	**232647**	**226714**	**224396**	**207815**	**205977**
AMERICA	**15361**	**15854**	**16893**	**15570**	**14139**	**11727**	**12433**	**12612**
Canada	2114#	1392#	1396#	1906#	1900	1160	985#	1112
United States	13247	14462	15497	13664#	12239#	10567#	11448#	11500E
EUROPE	**109947**	**101348**	**110955**	**112787**	**110086**	**110426**	**100371**	**98732**
European Union	*100207*	*92012*	*101790*	*103131*	*101363*	*101416*	*92769*	*91095*
Belgium-Luxembourg	15513	15301	16556#	16116#	16306#	16436#	14827#	14430#
France	20873	15302	21477#	21378#	20517#	19499#	18526#	18000E
Germany	29311	26140	27833#	29753#	27230#	29064#	26582#	25418#
Italy	13478	13008	13071#	12311#	13114#	12113#	9183#	9000E
Netherlands	3706	3682	3901#	3668#	3945#	3797#	3795#	4032#
Portugal	492	429	452#	395#	344#	275#	428#	411#
Spain	6919	6600	5433#	6228#	6177#	6536#	5994#	6202#
United Kingdom	9915	11550	13067#	13282#	13730#	13696#	13434#	13602#
EFTA	*9740*	*9334*	*9165*	*9656*	*8703*	*9010*	*7602*	*7637*
Austria	5259#	4814	4431	4775#	4380#	4412#	3026#	2986#
Finland	2761#	2837	2970#	3060#	2800E	3040#	3170#	3300E
Norway	620	633	673#	680	400E	400E	300E	250E
Sweden	1100	1050E	1091#	1141#	1123#	1158#	1106#	1104#
ASIA	**87509**	**86447**	**94933**	**98190**	**96509**	**96143**	**88811**	**88232**
Japan	87509	86447	94933#	98190#	96509#	96143#	88811#	88232#
OCEANIA	**5773**	**5273**	**6041**	**6100**	**6000**	**6100**	**6200**	**6401**
Australia	5773	5273	6041	6100	6000	6100E	6200E	6401#
DEVELOPING COUNTRIES AND TERRITORIES	**45593**	**47985**	**54043**	**53372**	**51206**	**54662**	**54815**	**54724**
AFRICA	**2845**	**2680**	**4621#**	**4639**	**4753**	**4236**	**3894**	**4126**
Algeria	2670#	2500	2600E	2600E	2500E	2000E	1910#	1900E
Egypt	-	-	1862#	1900E	2089#	2086#	1853#	2113#
Zimbabwe	175#	180E	159#	139#	164#	150#	131#	113#
AMERICA	**24019**	**24253**	**27095**	**26893**	**23565**	**25947**	**26878**	**27500**
Argentina	881	904	811	928#	838	743	592	600E
Brazil	21471	21871#	24952#	24703#	21395	23903#	24985#	25500E
Colombia	390	405	396	379	414#	401#	385	400E
Mexico	1277	1073	936#	883#	918#	900E	916#	1000E
ASIA	**14824**	**17296**	**18550**	**18060**	**19588**	**21979**	**22843**	**22598**
India	8134	9021#	9686#	10189	10000E	12991	13500E	14000E
Turkey	2916#	3968#	4257#	3192#	4508#	4238#	4427#	4462#
Other Asia	3774	4307	4607	4679	5080	4750	4916#	4136
EUROPE	**3905**	**3756**	**3777**	**3780**	**3300**	**2500**	**1200**	**500**
Yugoslavia (former)	3905#	3756#	3777#	3780#	3300E	2500E	1200E	500E
COUNTRIES IN EASTERN EUROPE	**207893**	**201948**	**199248**	**194942**	**182398**	**147558**	**133776**	**112473**
Bulgaria	3000	2717	2287	2365	1650	1673	1535	1800
Czechoslovakia (former)	14150	13000	12464	13076	12950	11700	10035	10000E
Germany (former (German Dem. Rep.)	3296	3207	3346	3199#	2500E	-	-	-
Hungary	3342	3023	2875	2900#	1773	1427	1490	1600E
Poland	15618#	15401	14054#	12993	11779	8613	8621	9000E
Romania	14021	14000E	13880#	13002#	8846	5575	5095	5073#
USSR (former)	154466	150600	150342#	147407#	142900#	118600	107000E	85000E
of which Ukraine	..	..	..	..	64094#	54088#	..	..
SOCIALIST COUNTRIES OF ASIA	**72920**	**79410**	**81500**	**82500**	**84000**	**87000**	**94000**	**120000**
China	72920	79410	81500	82500	84000E	87000E	94000E	120000E

[1] Sinter: agglomeration of natural ore fines, ore concentrates, flue dust and other iron-bearing materials.

6. IRON ORE: Exports

(thousand tonnes, natural weight)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993	% change 93/92
WORLD	**364500**	**369140**	**401742**	**420354**	**394846**	**398233**	**369691**	**398065**	**7.7**
DEVELOPED MARKET ECONOMY COUNTRIES	**151986**	**149254**	**169294**	**180769**	**168003**	**184952**	**171852**	**191159**	**11.2**
AMERICA	**35548**	**34755**	**35808**	**35587**	**30240**	**33733**	**30187**	**31190**	**3.4**
Canada	30995	29662	30523#	30222#	27041#	29688#	25132#	26140#	4.0
United States	4553#	5093#	5285#	5365#	3199	4045#	5055#	5059#	0.1
EUROPE	**25693**	**25142**	**25550**	**24716**	**23564**	**23052**	**22639**	**22727**	**0.4**
European Union[1]	*6020*	*5849*	*6263*	*5267*	*5021*	*5472*	*4881*	*3796*	*-22.2*
Belgium-Luxembourg	1	3	7#	11#	16#	13#	20#	15E	-25.0
Denmark	5	3	4#	2#	4#	1#	1#	1#	-
France	4169	3740	3725#	3462#	3280#	3153#	2875#	2796	-2.7
Germany	5	6	20#	7#	4#	81#	76#	100	31.6
Greece	-	-	- #	24#	..	-	-	-	-
Netherlands	49	105	223	127	82#	65#	28#	23E	-17.9
Spain	1791	1991	2282#	1632#	1633#	2157#	1879#	857#	-54.4
United Kingdom	1	1	2#	2#	2#	2#	2#	4#	100.0
EFTA	*19673*	*19293*	*19287*	*19449*	*18543*	*17580*	*17758*	*18931*	*6.6*
Austria	8	1	-	-	-	-	-	-	-
Norway	2532	2530	1757#	1987#	2113#	2098#	2281	2505#	9.8
Sweden	17133#	16762	17530#	17462#	16430#	15482#	15477#	16426#	6.1
SOUTH AFRICA	**8850**	**8802**	**11503#**	**14566#**	**17029#**	**15468**	**14868#**	**19554#**	**31.5**
OCEANIA	**81895**	**80555**	**96433**	**105900**	**97170**	**112699**	**107948**	**117679**	**9.0**
Australia[2]	*79678#*	*78594#*	*94969#*	*104500#*	*96156*	*111458#*	*106600*	*116450#*	*9.2*
New Zealand	2217	1961	1464#	1400E	1014#	1241#	1348#	1229	-8.8
DEVELOPING COUNTRIES AND TERRITORIES	**166346**	**174453**	**189385**	**199705**	**190522**	**185893**	**167037**	**177606**	**6.3**
AFRICA	**22920**	**22525**	**23869**	**23997**	**15329**	**11095**	**9352**	**10560**	**12.9**
Algeria	48	13	-	20#	18#	20E	41#	50E	22.0
Liberia	13940	13510	13779	12747	3887#	1015	1273	800	-37.2
Mauritania	8929	9002	10005#	11138#	11356#	9894#	7980#	9655	21.0
Morocco	-	-	80#	87	63	66	58#	55#	-5.2
Tunisia	3	-	5	5E	5E	-	-	-	-
AMERICA	**111521**	**118745**	**128672**	**137539**	**137993**	**138157**	**125103**	**132946**	**6.3**
Bolivia	-	-	15	25#	225#	102#	50	39	-22.5
Brazil	92288#	97288#	105303#	111641#	114296#	114681#	106035#	111861	5.5
Chile	4846#	5329#	6397#	7422#	6546#	7406#	5723	6266#	9.5
Mexico	-	-	-	- #	-	-	91#	100E	10.1
Peru	4360#	4430	4668#	4014	3306#	2582#	2975	4227	42.1
Venezuela	10027#	11698	12289	14437	13620#	13386	10229#	10453#	2.2
ASIA	**31905**	**33183**	**36845**	**38161**	**36667**	**36341**	**32382**	**34100**	**5.3**
India	28135#	28981	32079#	33479#	31585#	31539#	28462#	30000E	5.4
Philippines	3770	4202	4764#	4680#	5080E	4800	3920	4100	4.6
Other Asia	-	-	2#	2#	2E	2	-	-	-
EUROPE	-	-	-	**8#**	**533**	**300E**	**200E**	-	-
Yugoslavia (former)	-	-	-	8#	533	300E	200E	-	-
COUNTRIES IN EASTERN EUROPE	**46168**	**45433**	**43063**	**39880**	**36321**	**27388**	**27012**	**29300**	**8.5**
USSR (former)	46168#	45433#	43063#	39880#	36321#	27388#	27012	29300	8.5
of which									
Kazakhstan	..	..	..	..	..	..	..	6597#	..
Russian Fed.	..	..	..	..	11615#	9838#	9894	11155	12.7

1 European Union Total excluding the European Union's internal trade

2 Dry weight until 1991

7. IRON ORE: Exports[1]

(thousand tonnes, Fe content)

Region country or area	% Fe	1986	1987	1988	1989	1990	1991	1992	1993
WORLD		**226932**	**230052**	**254408**	**266364**	**247999**	**250923**	**230911**	**252715**
DEVELOPED MARKET ECONOMY COUNTRIES		**93383**	**92981**	**105985**	**113333**	**105199**	**114643**	**106745**	**119155**
AMERICA		**22450**	**21957**	**22952**	**22799**	**19105**	**21325**	**19102**	**19744**
Canada	63.3	19527	18687	19596#	19403#	17101	18769	15908	16547
United States	63.2	2923#	3270#	3356#	3396#	2004#	2556	3194	3197
EUROPE		**14089**	**13914**	**14917**	**14508**	**13880**	**13496**	**13469**	**13761**
European Union		*2291*	*2297*	*2520*	*2030*	*1837*	*2038*	*1802*	*1308*
Belgium-Luxembourg	31.5	-	1	2	3	5	4	6	5
Denmark	-	2	1	1	-	-	-	-	-
France	31.5	1292	1159	1154	1073	1033	993	905	881
Germany	15.0	1	1	4	1	1	12	11	15
Netherlands	57.0	28	60	127	72	47	37	16	13
Spain	46.0	968	1075	1232	881	751	992	864	394
EFTA		*11798*	*11617*	*12397*	*12478*	*12052*	*11458*	*11667*	*12453*
Norway	65.0	1294	1392	967	1093	1373	1364	1483	1628
Sweden	65.8	10504	10225	11430	11385	10679#	10094#	10184#	10825#
SOUTH AFRICA	**65.0**	**5607**	**5544**	**7247**	**9176**	**11069**	**10035**	**9664**	**12710**
OCEANIA		**51237**	**51566**	**60849**	**66850**	**61136**	**69787**	**64510**	**72940**
Australia	62.0	50027#	50583	60115	66148	60578	69104	63742	72199
New Zealand	57.0	1210	983	734	702	558	683	768	741
DEVELOPING COUNTRIES AND TERRITORIES		**110667**	**112992**	**122605**	**129103**	**120997**	**119847**	**107959**	**115980**
AFRICA		**15527**	**14909**	**15782**	**15842**	**10035**	**7216**	**6095**	**6870**
Algeria	50.0	23	6	-	10#	9#	10	20	25
Liberia	67.0	9700	9052	9231	8540	2607	670	853	536
Mauritania	65.0	5804	5851	6503	7240	7381	6496#	5187#	6276
Morocco	60.0	-	-	48	52	38	40	35#	33
AMERICA		**72100**	**76846**	**83564**	**89174**	**87438**	**89426**	**81218#**	**87466#**
Bolivia	65.0	..	..	9	15	135	61	30	25
Brazil	65.0	59987	63237	68447	72547	72292#	74542	68923	73828
Chile	66.0	3179#	3553	4254	4935	4320#	4740#	3777	4135
Mexico	65.8	-	-	-	-	-	-	59	65
Peru	65.9	2817#	2920	3010	2589	2179#	1717#	1960	2786
Venezuela	63.4	6117#	7136	7844#	9088#	8512#	8366	6469#	6627#
ASIA		**23040**	**21237**	**23259**	**24087**	**23279**	**23067**	**20554**	**21644**
India	63.4	20624	18548	20210	21092	20028	19995	18045	19020
Philippines	64.0	2416	2689	3049	2995	3251	3072	2509	2624
EUROPE		-	-	-	-	**245**	**138**	**92**	-
Yugoslavia (former)	-	-	-	-	-	245#	138	92	-
COUNTRIES IN EASTERN EUROPE		**24882**	**24079**	**25838**	**23928**	**21793**	**16433**	**16207**	**17580**
USSR (former)	60.0	24882	24079	25838#	23928#	21793#	16433	16207	17580
of which									
Kazakhstan	61.5	..	..	..	..	..	..	..	4060
Russian Fed.	60.0	..	..	..	..	6989	5902	5936	6693

1 Exports. Quantities of iron ore units exported during the calendar year.

2 European Union Total: excluding the European Union's internal trade.

8. IRON ORE: Network of exports by major region of destination, 1993

(million tonnes, natural weight)

Exports to / Exports from	World	Developed market economy countries					Developing countries	Eastern Europe	Socialist Asia [1]
		Total	United States	Japan	European Union	Others			
WORLD	**398.1**	**265.6**	**14.5**	**115.7**	**121.0**	**14.4**	**69.2**	**29.1**	**33.4**
DEVELOPED MARKET ECONOMY COUNTRIES	**191.2**	**133.2**	**7.8**	**59.7**	**55.9**	**9.8**	**32.1**	**3.0**	**22.9**
Australia	116.5	71.7	0.4	53.0	17.6	0.7	26.4	0.7	17.7
Canada	26.1	24.3	7.3	1.2	15.4	0.4	1.7	0.0	0.1
European Union	3.8	3.7	-	-	3.7	-	-	0.1	-
Sweden	18.4	13.7	0.1	0.0	11.7	1.9	2.7	0.0	0.0
South Africa	19.6	10.9	0.0	4.3	5.1	1.6	1.3	2.2	5.1
Others	8.9	8.8	-	1.2	2.4	5.2	0.0	-	-
DEVELOPING COUNTRIES AND TERRITORIES	**177.6**	**128.5**	**6.7**	**56.0**	**64.9**	**0.9**	**36.9**	**1.1**	**10.3**
Brazil	111.6	78.9	3.2	28.3	46.8	0.6	26.9	0.8	5.3
Chile	6.3	4.9	0.1	3.7	1.1	-	1.3	-	0.1
India	30.0	21.4	-	17.7	3.4	0.3	5.2	-	3.4
Mauritania	9.6	0.2	0.1	9.3	-	-	-	-	-
Peru	4.2	0.6	-	0.6	-	-	3.0	-	0.6
Venezuela	10.4	9.1	3.2	1.6	4.3	-	0.4	0.3	0.6
Others	5.2	4.8	-	4.0	0.8	-	0.1	-	0.3
COUNTRIES IN EASTERN EUROPE									
USSR (former)	29.3	3.9	-	-	0.2	3.7	0.2	25.0	0.2

Note: On the basis of information available to the secretariat as of 8 July 94

[1] Socialist Asia: mainly to China (99%)

9. PELLETS: Exports

(thousand tonnes)

Country or area	1986	1987	1988	1989	1990	1991	1992	1993
Australia	1,706	2,111	2,011	1,624	1,668	692	600E	415
Brazil	22,254	19,962	23,765	23,335	20,040	23,975	21,259	23,045
Canada	17,488	13,078	17,569	17,325	12,751	14,374	13,298	12,860
Chile	3,013	3,284	3,549	3,587	3,423	3,809	2,752	3,563
India[1]	154	825	1,640	1,923	1,717	1,300	1,546	2,181
Liberia	3,188	3,227	3,201	3,320	1,455	0	0	0
Norway	..	..	1,060	1,052	1,247	1,337	773	1,135
Peru	1,499	1,752	1,515	1,503	1,153	844	1,147	1,800E
Sweden	6,259	6,143	6,535	6,494	6,499	6,361	6,702	7,466
United States	4,551	5,049	5,232	2,874	3,018	4,016	4,653	5,030
USSR	10,927	10,866	10,892	11,507	12,316	10,043	9,772	11,169
Venezuela	22	434	849	1,159	1,184	922	1,123	1,242
TOTAL	**71,061**	**66,731**	**75,703**	**74,929**	**72,490**	**67,702**	**63,853**	**69,906**

[1] Fiscal year (April to March) until 1989

10. IRON ORE: Imports

(thousand tonnes, natural weight)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993	% change 93/92
WORLD	**367183**	**370093**	**396437**	**408421**	**397980**	**388960**	**374820**	**384255**	**2.5**
DEVELOPED MARKET ECONOMY COUNTRIES	**262928**	**261008**	**288040**	**292696**	**286831**	**283838**	**263457**	**256028**	**-2.8**
AMERICA	**22384**	**22080**	**24917**	**15954**	**22166**	**17955**	**17781**	**19397**	**9.1**
Canada	5367	5213	4791#	5348#	4113#	4620#	5280#	5436#	3.0
United States	17017	16867	20126	10606	18053	13335	12501#	13961#	11.7
EUROPE	**125251**	**126852**	**139277**	**147161**	**137575**	**135751**	**130433**	**121147**	**-7.1**
European Union[1]	*115543#*	*118507#*	*126564#*	*136079#*	*124286#*	*126675#*	*118222#*	*111305#*	*-5.8*
Belgium-Luxembourg	18056	18385	20795#	19787#	20278#	19486#	17995#	12724	-29.3
Denmark	3	8	3#	6#	3#	2#	2#	8#	300
France	16191	15056	18727#	19955#	18807#	18206#	17367#	16522	-4.9
Germany[2]	41632	39583	45169#	47170#	43730#	43288	41317#	35264	-14.7
Greece	2	-	-	-	-	-	-	-	-
Italy	17601	16523	16200#	18201#	17203#	17855#	15064#	16741#	11.1
Netherlands	7066	7049	7562	8153	8303	7892	7523	8555	13.7
Portugal	543#	764	477#	689#	449#	466#	565#	589#	4.2
Spain	4286	5767	5556#	6935#	6705#	7596#	7098#	6634#	-6.1
United Kingdom	14558	18028	17867#	19179#	14700#	13540#	15799#	15925#	0.8
EFTA	*5312*	*5689*	*6921*	*7086*	*7397*	*7420*	*7703*	*8155*	*5.9*
Austria	3204#	3311	4164	4192#	3892#	3968#	3915	3591#	-8.3
Finland	1987#	2261	2400#	2600#	3158	3070#	3308#	3361	1.6
Iceland	25	17	23	17	18	17	17	22	29.4
Norway	18	21	193#	23#	12#	27#	108	603#	458
Sweden	67#	70#	129	254#	317#	338#	355#	578#	62.8
Switzerland	11	9	12	-	-	-	-	-	-
ASIA	**115234**	**112034**	**123377**	**127709**	**125290**	**127186**	**113743**	**114484**	**0.7**
Japan	115234	112034	123377#	127709#	125290#	127186#	113743#	114484#	0.7
OCEANIA	**59#**	**42#**	**469#**	**1872#**	**1800**	**2946#**	**1500E**	**1000E**	**-33.3**
Australia	59#	42#	469#	1872#	1800	2946#	1500E	1000E	-33.3
DEVELOPING COUNTRIES AND TERRITORIES	**34395**	**38473**	**42574**	**52250**	**50546**	**56404**	**60490**	**66441**	**9.8**
AFRICA	**71**	**63**	**198**	**858**	**367**	**228**	**1532**	**1490**	**-2.7**
Egypt	-	-	-	-	-	-	1294#	1300E	0.5
Nigeria	-	-	152#	770E	300E	150E	150E	100E	-33.3
Tunisia	71	63	46	88	67	78	88	90E	2.3
AMERICA	**3283**	**3387**	**3590**	**4476**	**4499**	**3360**	**4545**	**4464**	**-1.8**
Argentina	3183	3342	3131#	3816#	3148#	2310#	3574#	3205	-10.3
Mexico	100#	45	459#	660#	363#	150E	21#	40E	90.5
Trinidad and Tobago	..	..	..	..	988#	900E	950E	1219	28.3
ASIA	**29694**	**33942**	**37300**	**44611**	**43682**	**51016**	**53213**	**59987**	**12.7**
Indonesia	1400E	1400E	1400E	2000#	2000E	2000E	2100E	2310	10.0
Malaysia	1026	819	452#	912#	1233	1160	1613#	1700E	5.4
Pakistan	1469	1105	1528	1393	1162	1605	1398	1982	41.7
Philippines	3700E	4000E	4400E	4200E	4600#	4265	4300E	4300E	-
Qatar	800E	700E	800E	900E	900E	1000E	1000E	1000E	-
Republic of Korea	11941	16607	16479	22790#	22500#	28440#	31779	35533	11.8
Saudi Arabia	1385	1478	1245	1652	1468	1500E	1800E	2200E	22.2
Taiwan Province of	5358	6140	8477	8370	7760	8433	7251	9019	24.4
Turkey	2428#	1532#	2369#	2243#	1952#	2509#	1844#	1824#	-1.1
United Arab Emirates	180	160	140E	150E	100E	100E	120E	110E	-8.3
Other Asia	7	1	10E	1	7	4	8	9	12.5
EUROPE	**1347**	**1081**	**1486**	**2305**	**1998**	**1800**	**1200**	**500**	**-58.3**
Yugoslavia (former)	1347	1081	1486#	2305#	1998#	1800E	1200E	500E	-58.3

1 European Union Total, excluding the European Union's internal trade.

2 From 1991, unified territory of Germany.

10. IRON ORE: Imports

concluded

(thousand tonnes, natural weight)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993	% change 93/92
COUNTRIES IN EASTERN EUROPE	**57315**	**57915**	**54583**	**50323**	**45561**	**29560**	**25002**	**28066**	12.3
Bulgaria	2248	2308	2112	1920	1964#	551#	416#	800E	92.4
Czechoslovakia (former)	15409#	15088#	14718#	14073#	14173#	12028	11764#	13000E	10.5
of which									
Czech Republic	..	..	..	..	..	..	..	7726#	.
Germany (former (German Dem. Rep.)	4100E	4300E	4200E	4000E	2800E	-	-	-	-
Hungary	3414	3403	2885#	3263#	3202#	2700E	2400E	2800E	16.7
Poland	16644#	17116	16668#	13441#	12065	7419	8076	8100E	0.3
Romania	15500	15700E	14000E	13626#	11357	6862	2346#	3366#	43.5
SOCIALIST COUNTRIES OF ASIA	**12546**	**12698**	**11241**	**13152**	**15043**	**19158**	**25871**	**33720**	**30.3**
China	12046	12098	10541	12452	14343	18458	25171	33020	31.2
Democratic People's Republic of Korea	500E	600E	700E	700E	700E	700E	700E	700E	.

11. European Union: Iron ore imports by origin/destination, 1993

(thousand tonnes, natural weight)

Origin \ Destination	Germany	France	Italy	Netherlnds	Belgium Luxembrg	United Kingdom	Denmark	Spain	Portugal	European Union
Non agglomerated ores[1]										
Total	*23,072*	*16,359*	*13,767*	*8,552*	*11,431*	*14,562*	*8*	*4,481*	*487*	*91,016* [a]
of which:										
EU	46	462	4	731	-	489	-	0.8	-	-
Australia	3,234	3,146	1,781	978	917	5,665	-	810	-	16,531
Brazil	12,606	6,420	4,291	2,869	5,988	1,858	-	1,939	-	35,971
Canada	3,009	1,568	199	535	566	2,404	-	327	240	8,848
Liberia	36	110	-	73	-	-	-	-	-	210
Mauritania	250	2,569	2,442	37	1,024	947	-	731	124	8,124
Norway	531	582	-	-	407	121	-	-	-	3,797
South Africa	331	435	1,649	.	28	1,925	-	-	-	4,368
Sweden	2,683	527	-	2,156	1,527	143	8	-	-	4,888
Venezuela	73	394	1,054	591	704	939	-	637	57	4,439
India	-	176	2,257	444	164	-	-	36	66	3,143
Others	274	90	148	106	71	-	-	-	688	
Agglomerated ores[2]										
Total	*12,191*	*226*	*2,974*	-	*1,290*	*1,361*	-	*2,183*	*102*	*20,295* [a]
of which:										
EU	-	10	-	-	-	-	-	-	22	-
Australia	-	-	-	-	-	79	-	-	-	79
Brazil	4,789	-	2,126	-	-	178	-	1,685	-	8,778
Canada	2,410	165	693	-	535	305	-	498	80	4,686
Norway	943	-	-	-	-	798	-	-	-	1,742
South Africa	-	2	155	-	0	-	-	-	-	157
Sweden	3,300	49	-	-	698	-	0	-	-	4,047
Venezuela	-	-	-	-	-	-	-	-	-	-
Others	749	-	-	-	57	-	-	-	-	806
Total	**35,264**	**16,585**	**16,741**	**8,555**	**12,721**	**15,923**	**8**	**6,664**	**589**	**111,311** [a]

Notes: Greece and Ireland are not concerned.

[1] Non-agglomerated ores: fines, lumps, pellet-feed and concentrates.

[2] Agglomerated ores: pellets or sinter.

[a] Excluding European Union's internal trade.

12. CHINA: Iron ore imports by origin, 1988-1993

(thousand tonnes, natural weight)

Origin	1988	1989	1990	1991	1992	1993 (E)
Australia	6,622	8,854	10,168	12,073	13,757	17,500
Brazil	2,550	2,515	2,478	3,137	4,709	5,200
India	184	168	470	958	2,467	3,200
Korea DPR	1,088	519	599	790	724	700
Russian Fed.	-	-	-	23	181	200
South Africa	-	-	-	1,000	1,500	5,000
Venezuela	-	-	-	-	238	500
Others	97	396	628	477	1,203	1,170
Total	**10,541**	**12,452**	**14,343**	**18,458**	**25,171**	**33,020**

13. JAPAN: Iron ore imports by origin, 1993

(thousand tonnes, dry weight)

Origin	Non-agglomerated[1]	Agglomerated[2]	Total
Australia	53,126	347	53,473
Brazil	24,407	3,415	27,822
Canada	1,159	-	1,159
Chile	1,910	1,647	3,557
India	16,617	-	16,617
New Zealand[3]	1,232	-	1,232
Philippines[4]	-	4,131	4,131
Peru	572	2	574
South Africa	4,136	-	4,136
Others	1,783	-	1,783
Total	**104,942**	**9,542**	**114,484**

1 Non-agglomerated ores: fines; lumps; pellet-feed and concentrates.

2 Agglomerated ores: pellets or sinter.

3 Iron ore sands.

4 Sinter produced from fines imported via Japan.

14. REPUBLIC OF KOREA: Iron ore imports by origin, 1993

(thousand tonnes, natural weight)

Origin	Non-agglomerated[1]	Agglomerated[2]	Total
Austria	112	-	112
Australia	17,270	94	17,364
Brazil	9,431	-	9,431
Canada	917	-	917
Chile	537	166	703
India	4,799	-	4,799
Peru	1,173	371	1,544
South Africa	467	0	467
Liberia	557	-	557
Total	**30,903**	**630**	**35,533**

1 Non-agglomerated ores: fines; lumps; pellet-feed and concentrates.

2 Agglomerated ores: pellets or sinter.

15. IRON ORE: Value of Exports[1]

(million dollars)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993
WORLD	**6909.2**	**6842.8**	**7397.6**	**8167.5**	**8595.9**	**8719.7**	**7901.8**	**7555.9**
DEVELOPED MARKET ECONOMY COUNTRIES	**2860.0**	**2698.7**	**3034.7**	**3369.9**	**3680.8**	**3933.8**	**3731.9**	**3552.9#**
AMERICA	**1001.9**	**928.9**	**1010.7**	**992.0**	**842.6**	**934.1**	**852.2**	**788.7#**
Canada	797.1	730.6	816.9#	799.3#	719.4#	777.7#	665.4	621.9#
United States	204.8	198.3	193.8	192.7	123.2#	156.4#	186.8#	166.8#
EUROPE	**404.0**	**441.1**	**474.8**	**536.0**	**568.7**	**520.2**	**585.4**	**532.9**
European Union[2]	*0.9#*	*1.0#*	*1.1#*	*2.2#*	*5.7#*	*3.7#*	*5.3#*	*2.2#*
Belgium-Luxembourg	0.1	0.2	0.7#	0.8#	1.4#	0.9#	1.2	1.1E
Denmark	0.1	0.1	-	-	-	-	-	-
France	26.2	28.7	29.6#	27.1#	31.1	29.6#	28.7#	26.7
Germany	0.5	0.7	1.1#	0.8#	0.6#	2.3#	2.5	1.9
Greece	-	-	-	24.0#	-	-	-	-
Italy	0.1	-	-	0.2#	0.1#	0.1#	0.1#	0.1#
Netherlands	1.2	5.3	7.7#	6.1	5.3	4.8#	3.0#	2.5E
Spain	16.3	17.5	19.5#	15.3#	17.7#	27.9#	23.7#	10.3
United Kingdom	0.2	0.2	0.3#	0.2#	0.5#	0.4#	0.5#	0.6
EFTA	*359.3*	*388.4*	*415.9*	*461.5*	*512.0*	*454.2*	*525.7*	*489.7*
Austria	0.3	-	-	-	-	-	-	-
Norway	55.3	53.4	42.5#	50.0#	61.5#	63.7#	66.3	67.7#
Sweden	303.7#	335.0	373.4	411.5#	450.5#	390.5	459.4#	422.0#
SOUTH AFRICA	**132.1**	**131.8**	**146.1#**	**209.2#**	**299.0#**	**285.2#**	**219.0#**	**275.0E**
OCEANIA	**1322.0**	**1196.9**	**1403.1**	**1632.7**	**1970.5**	**2194.3**	**2075.3**	**1956.3**
Australia	1300.9#	1181.6#	1390.8#	1620.0#	1960.0#	2183.0#	2060.0	1942.4#
New Zealand	21.1	15.3	12.3#	12.7#	10.5#	11.3#	15.3#	13.9
DEVELOPING COUNTRIES AND TERRITORIES	**2927.2**	**2928.7**	**3219.6**	**3750.0**	**3928.9**	**4040.9**	**3439.9**	**3303.0**
AFRICA	**384.6**	**352.1**	**365.0**	**473.2**	**315.1**	**219.5**	**196.8**	**195.7**
Algeria	0.5	0.2E	-	0.3#	0.3E	0.2E	0.7#	0.2
Liberia	241.0	217.9	220.0E	286.0E	93.0E	24.0E	29.0E	-
Mauritania	143.0#	134.0#	143.5#	185.1#	220.2#	192.0E	164.1#	193.0E
Morocco	-	-	1.3#	1.6	1.4	3.3	3.0	2.5E
Tunisia	0.1	-	0.2#	0.2E	0.2E	-	-	-
AMERICA	**2017.6**	**2052.0**	**2286.1**	**2632.2**	**2954.7**	**3157.1**	**2736.6**	**2601.7**
Bolivia	..	..	0.2	0.3	3.0E	0.1	0.6	0.6
Brazil	1624.0	1615.4#	1900.4#	2176.0#	2436.5#	2603.9#	2303.4#	2180.5
Chile	92.3#	95.7#	105.4	125.7	138.4	158.1	137.6	114.7
Peru	74.3#	70.9	61.0#	60.2E	51.8#	42.0E	45.0E	55.9
Venezuela	227.0E	270.0	219.1#	270.0E	325.0	353.0	250.0	250.0E
ASIA	**525.0**	**524.6**	**568.5**	**643.6**	**655.2**	**661.8**	**504.9**	**505.6**
India	435.0#	427.6	461.5	571.6	578.2	583.4	425.9	430.6
Other Asia	90.0E	97.0E	107.0E	72.0E	77.0E	78.4	79.0E	75.0
EUROPE	-	-	-	**1.0#**	**3.9#**	**2.5E**	**1.6E**	-
Yugoslavia (former)	-	-	-	1.0#	3.9#	2.5E	1.6E	-
COUNTRIES IN EASTERN EUROPE	**1122.0**	**1215.4**	**1143.3**	**1047.6**	**986.2**	**745.0**	**730.0**	**700.0**
USSR (former)	1122.0	1215.4	1143.3	1047.6	986.2#	745.0E	730.0E	700.0E

1 Value of exports f.o.b. value of iron ore exported, converted to United States dollars using exchange rates indicated by governments, or converted on the basis of exchange rates supplied by I.M.F.

2 European Union Total excluding the European Union's internal trade.

16. IRON ORE: Value of Imports [1]

(million dollars)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993
WORLD	**8788.0**	**8408.5**	**9026.6**	**10379.0**	**11185.1**	**11585.1**	**10826.5**	**10082.1**
DEVELOPED MARKET ECONOMY COUNTRIES	**6619.1**	**6297.0**	**6815.6**	**7668.6**	**8401.0**	**8454.7**	**7769.3**	**6881.9**
AMERICA	**760.9**	**672.6**	**753.9**	**720.2**	**793.3**	**596.3**	**579.7**	**584.2**
Canada	212.0	194.6	185.1#	197.9#	146.1#	159.7#	184.1	169.1#
United States	548.9	478.0	568.8	522.3#	647.2#	436.6#	395.6#	415.1#
EUROPE	**3098.1**	**3005.9**	**3203.8**	**3771.1**	**4186.2**	**4147.6**	**3943.6**	**3281.1**
European Union[2]	*2829.1#*	*2814.6#*	*2898.6#*	*3298.4#*	*3612.4#*	*3799.6#*	*3520.8#*	*2639.0#*
Belgium-Luxembourg	335.2	341.1	390.5#	404.2#	485.1#	497.4#	472.3#	305.4
Denmark	0.8	0.9	- #	1.1	0.8#	0.7#	0.6	0.9
France	347.7	300.2	377.5#	473.6#	510.6#	521.0#	487.8#	433.5
Germany	1266.7	1121.0	1172.6#	1328.2#	1472.1#	1458.8#	1419.0#	1022.6
Greece	0.3	-	- #	-	-	-	-	-
Italy	389.3	354.4	289.9#	455.9#	472.4#	502.4#	425.3#	435.3
Netherlands	154.2	146.8	146.0	144.0	174.0	160.9	171.1	192.8
Portugal	12.8	18.6	13.0#	18.7#	14.8#	17.4#	16.8#	15.6
Spain	100.7	125.5	138.9#	193.8#	207.6#	232.0#	204.4#	185.1
United Kingdom	341.7	432.7	473.5#	502.2#	588.3#	512.3#	480.0#	443.5
EFTA	*148.7*	*164.7*	*201.9*	*249.4*	*260.5*	*244.7*	*266.3*	*246.4*
Austria	99.2	110.6	144.3	143.6	152.7	134.7	151.1#	127.2
Finland	44.7#	49.5	45.4#	95.0#	96.0	92.4#	97.4	85.0
Iceland	1.0	0.7	1.0	0.8	0.9	0.9	0.8	0.9
Norway	0.7	0.8	5.3#	0.9#	0.9#	1.1#	3.4#	15.3#
Sweden	2.9#	2.9	5.7	9.1	10.0#	15.6	13.6#	18.0#
Switzerland	0.2	0.2	0.2	-	-	-	-	-
ASIA	**2759.3**	**2618.4**	**2852.7**	**3137.3**	**3374.1**	**3644.8**	**3194.4**	**2976.6**
Japan	2759.3	2618.4	2852.7	3137.3	3374.1	3644.8	3194.4#	2976.6
OCEANIA	**0.8**	**0.1**	**5.2**	**40.0**	**47.4**	**66.0**	**51.6**	**40.0**
Australia	0.8#	0.1#	5.2#	40.0#	47.4	66.0E	51.6	40.0E
DEVELOPING COUNTRIES AND TERRITORIES	**904.1**	**952.2**	**1084.3**	**1454.6**	**1560.0E**	**1825.7E**	**1718.2E**	**1686.2#**
AFRICA	**1.9**	**1.3**	**6.4**	**12.6**	**10.2**	**6.3**	**5.9E**	**3.5E**
Nigeria	-	-	5.0	10.0E	8.0E	4.0E	4.0E	2.0E
Tunisia	1.9	1.3	1.4	2.6	2.2	2.3	1.9E	1.5E
AMERICA	**98.6**	**101.4**	**127.6**	**158.5**	**181.7**	**141.2**	**174.4**	**152.1**
Argentina	95.1	99.7	102.4#	137.0#	126.5	99.7	138.7	110.1
Mexico	3.5#	1.7	25.2#	21.5#	18.2#	7.5E	0.7#	..
Trinidad and Tobago	..	..	..	..	37.0E	34.0E	35.0E	42.0#
ASIA	**770.5**	**812.7**	**890.7**	**1192.5**	**1327.8**	**1642.2**	**1515.9**	**1522.6**
Indonesia	42.5E	42.0E	46.0E	70.0E	74.0E	75.0E	70.0E	65.0E
Malaysia	30.5	24.5	15.4#	38.1#	58.6	51.8	35.0E	34.0E
Pakistan	38.8	29.2	46.9	46.8	36.9	53.6	47.7	55.9
Qatar	31.3E	28.0E	30.0E	34.0E	36.0E	38.0E	36.0E	36.0E
Republic of Korea	293.8	363.0	345.5	549.9#	642.5#	891.5#	879.8	890.0E
Saudi Arabia	49.9	49.4	49.7	78.6	81.8	83.0E	70.0E	53.0E
Singapore	0.2	0.2	0.2E	0.2	0.7	0.2	0.2E	0.2E
Taiwan Province of	126.3	146.3	187.7	211.0	227.6	264.0	215.7	230.0E
Turkey	72.8#	42.1#	75.3#	64.9#	69.7#	92.6#	68.5#	70.5#
United Arab Emirates	1.9E	2.0E	2.0E	4.0E	3.0E	3.0E	3.0E	3.0E
Other Asia	82.5E	86.0E	92.0E	95.0E	97.0E	89.5	90.0E	85.0E
EUROPE	**33.1**	**36.8**	**59.6**	**91.0**	**40.3**	**36.0**	**22.0**	**8.0**
Yugoslavia (former)	33.1	36.8#	59.6#	91.0#	40.3#	36.0E	22.0E	8.0E

16. IRON ORE: Value of Imports[1]

concluded

(million dollars)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993
COUNTRIES IN EASTERN EUROPE	**921.8**	**877.8**	**852.7**	**911.9**	**815.5**	**726.3**	**560.2**	**550.0**
Bulgaria	35.0E	51.7E	51.3E	50.5E	42.9#	15.0E	14.0E	12.0E
Czechoslovakia (former)	358.4	290.0	272.0E	280.0E	284.0E	273.0#	265.0E	252.0E
Germany (former (German Dem. Rep.)	66.0E	69.0E	62.0E	102.2#	75.0E	-	-	-
Hungary	46.6	51.2	47.0E	58.1#	51.5	53.5	45.0E	46.0E
Poland	167.8	163.9	157.4	236.0E	209.0E	196.3	188.2	170.0E
Romania	248.0E	252.0E	263.0E	185.1	153.1	188.5	48.0	70.0E
SOCIALIST COUNTRIES OF ASIA	**343.0**	**281.5**	**274.0**	**343.9**	**408.6**	**578.4**	**778.8**	**964.0**
China	335.4	269.5	260.0	329.9#	394.1	563.4	764.3	950.0E
Democratic People's Republic of Korea	7.6E	12.0E	14.0E	14.0E	14.5E	15.0E	14.5E	14.0E

1 Value of imports: c.i.f. value of iron ore imported expressed in United States dollars converted using exchange rates indicated by governments or on the basis of rates supplied by I.M.F.

2 European Union Total: excluding the European Union's internal trade.

17. IRON ORE: Apparent Consumption[1]

concluded

(thousand tonnes, natural weight)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993	% change 93/92
WORLD	**917390**	**932667**	**955123**	**974224**	**979586**	**940672**	**921964**	**927869**	0.6
DEVELOPED MARKET ECONOMY COUNTRIES	**357631**	**365892**	**381032**	**389974**	**391279**	**380008**	**355015**	**334368**	-5.8
AMERICA	**62961**	**71489**	**87033**	**79381**	**83417**	**76848**	**76956**	**76151**	-1.0
Canada	11051	12071	14677	16268	13105	12043	14597	11588	-20.6
United States	51910	59418	72356	63113	70312	64805	62359	64563	3.5
EUROPE	**148423**	**144853**	**154128**	**163059**	**150176**	**147938**	**139439**	**126852**	-9.0
European Union	*134888*	*131912*	*140546*	*148891*	*137064*	*134441*	*126438*	*115291*	-8.8
Belgium-Luxembourg	18055	18382	20788	19776	20262	19473	17975	12709	-29.3
Denmark	-2	5	-1	4	-1	1	1	7	600
France	24582	22882	24874	25812	24247	22545	20198	17246	-14.6
Germany	42344	39824	45219	47265	43810	43325	41350	35264	-14.7
Greece	1302	-	-	-24	..	-	-	-	-
Italy	17601	16523	16200	18201	17203	17855	15064	16741	11.1
Netherlands	7017	6944	7339	8026	8221	7827	7495	8532	13.8
Portugal	593	794	502	709	469	466	565	589	4.2
Spain	8549	8268	7536	9913	8102	9354	7965	8282	4.0
United Kingdom	14846	18290	18089	19209	14751	13595	15825	15921	0.6
EFTA	*13535*	*12941*	*13582*	*14168*	*13112*	*13497*	*13001*	*11561*	*-11.1*
Austria	6316	6360	6464	6602	6192	6088	5542	5018	-9.5
Finland	2630	2909	2957	2600	3158	3070	3308	3361	1.6
Iceland	25	17	23	17	18	17	17	22	29.4
Norway	1146	631	1080	394	-20	138	-21	280	-
Sweden	3407	3015	3046	4555	3764	4184	4155	2880	-30.7
Switzerland	11	9	12	-	-	-	-	-	-
SOUTH AFRICA	**15633**	**13206**	**13744**	**15392**	**13262**	**13484**	**13358**	**9831**	**-26.4**
ASIA	**115525**	**112329**	**123655**	**127960**	**125498**	**127226**	**113743**	**114484**	**0.7**
Japan	115525	112329	123655	127960	125498	127226	113743	114484	0.7
OCEANIA	**15089**	**23815**	**2472**	**4182**	**18926**	**14512**	**11519**	**7050**	**-38.8**
Australia	14396	23196	1584	3182	17644	13488	10767	5979	-44.6
New Zealand	693	619	888	1000	1282	1024	752	1071	42.4
DEVELOPING COUNTRIES AND TERRITORIES	**131057**	**132934**	**134945**	**142855**	**145801**	**152602**	**161188**	**170871**	**6.0**
AFRICA	**9301**	**8365**	**6311**	**8210**	**7606**	**7341**	**7988**	**5777**	**-27.7**
Algeria	3312	3562	3400	2728	2912	2680	2522	2550	1.1
Egypt	1999	2112	2400	2400	2420	2371	3272	3600	10.0
Liberia	1660	296	-971	-447	94	185	432	-800	-
Mauritania	333	118	-223	976	60	200	114	-459	-
Morocco	200	204	37	39	-13	-12	13	113	776
Nigeria	-	-	152	770	300	150	150	100	-33.3
Tunisia	378	353	267	273	253	269	277	290	4.7
Zimbabwe	1419	1720	1249	1471	1580	1498	1208	383	-68.3
AMERICA	**57358**	**56430**	**60466**	**59608**	**59357**	**58039**	**62273**	**69299**	**11.3**
Argentina	3893	4142	4293	4493	3592	2399	3577	3207	-10.3
Bolivia	-	-	-	-11	-100	0	50	56	12.7
Brazil	36766	36817	40697	42102	38007	35976	39785	47539	19.5
Chile	1480	802	898	690	1265	1285	1920	739	-61.5
Colombia	523	615	615	600	628	607	713	600	-15.8
Mexico	7681	7419	8289	8198	8477	9288	7573	7940	4.8
Peru	835	1137	-510	-79	1	1011	-120	973	-
Trinidad and Tobago	..	..	..	..	988	900	950	1219	28.3
Venezuela	6180	5498	6184	3615	6499	6573	7825	7026	-10.2

17. IRON ORE: Apparent Consumption

concluded

(thousand tonnes, natural weight)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993	% change 93/92
ASIA	**56433**	**61075**	**61139**	**68302**	**73242**	**83550**	**88627**	**94995**	**7.2**
India	23034	22354	17882	17955	22117	25345	26410	26000	-1.6
Indonesia	1400	1400	1400	2000	2000	2000	2100	2310	10.0
Iran,Islamic Rep.	2000	3000	4300	5630	5500	6184	7000	7200	2.9
Malaysia	1234	980	659	1103	1579	1542	1933	2050	6.1
Pakistan	1469	1105	1528	1393	1162	1605	1398	1982	41.7
Qatar	800	700	800	900	900	1000	1000	1000	-
Republic of Korea	12466	17117	17151	23134	22870	28730	32079	35793	11.6
Saudi Arabia	1385	1478	1245	1652	1468	1500	1800	2200	22.2
Singapore	7	1	10	1	5	2	6	7	16.7
Syrian Arab Republic	..	..	..	..	22	22	22	22	-
Taiwan Province of	5358	6140	8477	8370	7760	8433	7251	9019	24.4
Thailand	37	97	99	160	132	228	459	208	-54.7
Turkey	7133	6745	7812	6334	8107	7394	6669	6894	3.4
United Arab Emirates	180	160	140	150	100	100	120	110	-8.3
Other Asia	-70	-202	-364	-480	-480	-535	380	200	-47.4
EUROPE	**7965**	**7064**	**7029**	**6735**	**5597**	**3672**	**2300**	**800**	**-65.2**
Yugoslavia	7965	7064	7029	6735	5597	3672	2300	800	-65.2
COUNTRIES IN EASTERN EUROPE	**267526**	**269324**	**265125**	**257143**	**248613**	**204114**	**174453**	**154210**	**-11.6**
Bulgaria	4427	4165	3938	3533	3043	1409	765	1300	70.0
Czechoslovakia (former)	17193	16886	16491	15853	15883	13768	12490	13600	8.9
Germany (former (German Dem. Rep.)	4100	4300	4200	4000	2800	-	-	-	-
Hungary	3414	3403	2885	3263	3202	2700	2400	2800	16.7
Poland	16653	17122	16874	13448	12071	7424	6076	8100	0.3
Romania	17931	17981	16000	15626	11935	7339	2734	3710	35.7
USSR (former)	203808	205467	204937	201420	199679	171474	147988	124700	-15.7
of which									
Ukraine	..	..	..	..	105866	86813	..	..	-
Russian Fed.	..	..	..	..	95185	81064	72206	64845	-10.2
SOCIALIST COUNTRIES OF ASIA	**161176**	**164718**	**174021**	**184252**	**193893**	**203948**	**231309**	**268420**	**16.0**
China	152676	156118	165321	174552	183693	193748	221109	257720	16.6
Democratic People's Republic of Korea	8500	8600	8700	9700	10200	10200	10200	10700	4.9

1 Apparent consumption relates to production plus imports minus exports. Stocks not considered.

18. IRON ORE: Reported consumption[1]

(thousand tonnes, natural weight)

Country or area	1986	1987	1988	1989	1990	1991	1992	1993
Algeria	2629#	..	..	2776#	2739#	..	4365#	..
Argentina	..	..	3753#	4675#	..	..	..	..
Australia	10000#	..	..	10010#	10000#	9363#	..	10949#
Austria	6385#	5665	5850	..	6104#	..	5022#	5206#
Brazil	28698	32043#	..	26959	23747	24429#	25205#	..
Canada	14185#	14929#	14871#	15571#	11219#	12506#	14096#	..
Chile	..	..	..	1095	..	..	..	..
Colombia	..	..	615#	..	725#	705#	..	..
Czechoslovakia (former)	15787#	15875#	15664#	..	..	..	12643#	..
Czech Republic	..	..	..	..	..	..	..	8044#
European Union	**132627**	**131840**	**152002**	**152988#**	**146771#**	**145210#**	**133683#**	..
Belgium-luxembourg	18372	18198	19765#	19288#	19752#	20081#	17904#	17643#
France	24311	22701	24816#	25440#	24393#	23252#	22131#	..
Germany	41477	40550	50295#	50964#	46735#	48598#	44586#	42224#
Italy	18225	17090	19384#	18787#	18554#	16833#	13759#	..
Netherlands	7047	7181	7979#	8228#	7901#	7479#	7678#	8445#
Portugal	636	639	729#	621#	554#	419#	656#	662#
Spain	8175	7795	7860#	9186#	8814#	9116#	8209#	8753#
United Kingdom	14384	17682	21174#	20474#	20068#	19432#	18740#	18960#
Egypt	..	..	..	..	3980#	4407#	3337#	2373#
Finland	3084#	3169	3370#	3540#	..	3035#	3783#	..
Germany (former G.D.R.)	4416	4405	..	307	..	-	-	-
Hungary	3673	3563	2885#	3680#	..	..	..	..
Japan[2]	103046	101238	129369#	131573#	132161#	131989#	120538#	121337#
Kazakhstan	..	..	..	..	..	..	..	6568#
India	..	26159#	28524#	..	..	..	..	..
Indonesia	..	..	..	..	..	..	..	2310#
Iran, Islamic Rep. of	..	..	..	..	..	3333#	..	..
Malaysia	..	..	..	..	..	..	170#	..
Mexico	9138#	9109#	10983#	154#	-	..	7453#	..
Morocco	..	..	17#	10049#	9687#	..	..	..
Norway	..	722	673#	..	..	..	..	..
Peru	413#	357	..	..	..	..	..	..
Philippines	..	..	34#	..	..	..	..	..
Poland	18589#	18161	16245#	..	..	..	..	..
Republic of Korea	..	..	..	23000#	22968	27890#	..	..
Romania	..	..	..	..	13500#	..	..	6024#
Saudi Arabia	1750#	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	11330#	10579#
Sweden	2206#	3500e	3749	4357#	3881#	4363#	3975#	4279#
Syrian Arab Republic	..	..	..	..	10#	..	..	..
Trinidad and Tobago	..	..	..	..	1020#	..	..	1132#
Thailand	..	..	..	..	..	..	260#	..
Tunisia	..	..	350#	203#	..	..	..	..
Turkey	3705	5736	7504#	6744#	8734#	7557#	7444#	7171#
United States	57513#	62425#	73602#	73662#	73685#	63662#	73704#	76500E
Venezuela	5453#	5498	5086	4595#	4977#	6735#	4941#	8085#
Yugoslavia (former)	6202	11466	4498	6220 #	..	..	..	..
Zimbabwe	1142#	..	1024#	993#	1030#	841#	884#	414#

1 Reported consumption: relates to domestic and imported ores in any form (ore, pellets, sinter) consumed in iron and steel plants, as well as ores consumed for non-metallurgical uses. Excluding as far as possible iron ore consumed in agglomeration plants.

2 Dry weight.

19. IRON ORE: Reported consumption by product, 1993

(thousand tonnes)

Country or area	Non-agglomerated ores							Agglomerated		TOTAL
	Run of mine[1]	Lumps[2]	Fines[3]	Concentrates[4]	Pellet-feed[5]	Others	Total	Pellets[6]	Sinter[7]	
Australia	2,029	..	..	..	..	..	2,029	2,765	6,155	10,949
European Union										
Belgium	..	..	..	..	..	..	1,338	1,794	10,048	13,180
Germany	..	..	..	..	..	..	3,984	12,822	25,418	42,224
Luxembourg	..	..	..	..	..	..	81	-	4,382	4,463
Netherlands	..	..	..	..	..	..	19	4,394	4,032	8,445
Portugal	..	..	..	..	..	..	5	246	411	662
Spain	..	..	..	..	..	..	278	2,273	6,202	8,753
United Kingdom	..	..	..	..	..	..	4,089	1,217	3,434	18,740
Japan	..	..	..	..	..	..	20,550	9,243	91,544	121,337
Romania	53	135	-	-	-	-	188	760	5,076	6,024
South Africa	10,579	-	-	-	-	-	10,579	-	-	10,579
Sweden	-	-	1,100	147	-	-	1,247	3,032	-	4,079
Turkey	-	1,272	3,679	443	-	-	5,394	1,774	-	7,171
Venezuela	-	1,454	1,167	6,918	-	-	8,085	4,365	-	12,450
Zimbabwe	-	286	128	-	-	-	413	-	112	525

1 Marketable unprepared iron ore with more than 20 per cent fines.

2 Marketable iron ore between 10 and 30mm with usually less than 20 per cent fines.

3 Marketable fine ore, usually below 10mm (or similar size).

4 Marketable product from a concentrate plant.

5 Fine ore or concentrate very fine, usually below 0.1mm.

6 Iron ore fines agglomerated into a rough ball shape typically 10mm.

7 Agglomerated fines or concentrates and other iron-bearing materials.

20. IRON ORE: Reported stocks[1]

(thousand tonnes)

Country or area	1986	1987	1988	1989	1990	1991	1992	1993
Algeria *(Total)*	..	***614#***	..	..	***805#***	***708#***	***1401#***	..
(producers)	..	..	..	597#	478#	..	444#	..
(consumers)	..	..	..	208#	230#	..	957	..
Australia *(Total)*	..	..	..	..	..	..	..	***18151***
(producers)	..	..	..	..	..	..	..	16857#
(consumers)	..	..	..	..	..	..	..	1294#
Austria *(Total)*	..	..	..	***1237#***	..	..	..	..
(producers)	380#	..	..	219#	294#	..	430#	229#
(consumers)	1243#	..	..	..	943#	..	..	..
Bolivia (producers)	..	..	..	3#	..	..	..	..
Brazil (producers)	..	..	1342#	..	..	6945#	..	..
Canada *(Total)*	***9927***	***6846***	***7489***	***8856***	..	..	***10075***	***7465***
(producers)	5306	2449	3156#	4388#	..	5366#	6357#	3836#
(consumers)	4621	4397	4333#	4468#	..	..	3718#	3629#
Chile *(Total)*	***2963***	..	..	..	..	..	..	..
(producer)	1142#	1046#	1095#	..	1062#	767#	..	1375#
(consumers)	1821#	..	..	..	..	..	..	..
Czechoslovakia(consumers)	..	..	..	..	..	..	793#	..
European Union *(Total)*	***21009***	***19536***	***17850***	***19249***	***17361***	***17683#***	***16146#***	..
(producers)	3742#	3040#	1972#	1573#	1620#	1482#	1235#	..
(consumers)	17267#	16496#	15878#	17676	15741#	16201#	14911#	..
Belgium (consumers)	1319#	1299#	1284#	1336#	1381#	1580#	983#	881#
France *(Total)*	***5304#***	***5328#***	***3636#***	***3635#***	***3665#***	***3394#***	***2972#***	..
(producers)	2036#	2060#	1069#	680#	1141#	976#	848#	195#
(consumers)	3268#	2856#	2567#	2955#	2524#	2418#	2124#	..
Germany *(Total)*	***4210#***	***3569#***	***3332#***	***3388#***	***3252#***	***3642#***	***3887#***	..
(producers)	209#	82#	22#	48#	44#	66#	80#	
(consumers)	4001#	3487#	3310#	3340#	3208#	3576#	3807#	1909#
Italy *(Total)*	***1976#***	***1809#***	***2118#***	***2569#***	***1976#***	***2039#***	***1926#***	..
(producers)	0#	0#	0#	0#	0#	0#	0#	
(consumers)	1976#	1809#	2118#	2569#	1976#	2039#	1926#	..
Luxembourg (consumers)	1271#	1126#	961#	1017#	984#	905#	777#	..
Netherlands (consumers)	1411#	1463#	1347#	1365#	1227#	1513#	907#	759#
Portugal (consumers	123#	138#	89#	192#	104#	95#	150#	..
Spain *(Total)*	***2085***	***1686***	***1910***	***1896***	***1488***	***1597#***	***1733#***	..
(producers)	1497#	998#	881#	845#	435#	440#	307#	2430#
(consumers)	588#	788#	1029#	1051#	1053#	1157#	1426#	403#
United Kingdom (consumers)	3310#	3530#	3173#	3851#	3284#	2898#	2811#	..
Egypt *(Total)*	..	***513***	..	..	***1080***	***700#***	***2542#***	..
(producers)	..	455#	..	..	340#	200#	1390#	662#
(consumers)	..	58#	..	..	740#	500#	1152#	455#
Finland *(Total)*	***260***	..	..	..	..	***235***	***332#***	..
(producers)	8#	..	..	..	..	-	-	
(consumers)	252#	..	200#	260#	..	235#	332#	..
Hungary (consumers)	..	..	227#	455#	320#	..	..	..
India (producers) (92/93)	..	..	..	..	..	..	..	4706#
Iran,Islamic Rep. of *(Total)*	***260***	..	..	..	..	***1827***	..	..
(producers)	..	..	..	..	..	1189#	..	..
(consumers)	252#	..	..	..	..	638#	..	..
Japan[2]	17494	14232	17118#	19171#	16165#	16725#	14192#	15368#
Liberia		2500	1800	..	..	..	..	..
Malaysia (producers)	..	..	22#	1#	..	..	..	..
(consumers)	..	..	..	..	..	..	280#	..
Mauritania (producers	..	..	342#	866#	1426#	381#	..	1100#
Mexico *(Total)*	***3381***	..	..	***794***	***1366#***	..	..	..
(producers)	3294#	..	..	274#	619#	..	644#	..
(consumers)	87#	..	..	520#	747#	..	310#	..

20. IRON ORE: Reported stocks[1]
(concluded)

(thousand tonnes)

Country or area	1986	1987	1988	1989	1990	1991	1992	1993
Morocco (producers)	..	..	68#	..	67#	6#	..	..
Norway (producers)	..	..	..	751#	..	..	..	..
Peru ***(Total)***	..	..	..	..	..	***1238***	..	..
(producers)	1280#	..	781#	..	502#	1189#	..	..
(consumers)	..	..	..	..	..	49#	..	..
Philippines (consumers)	..	..	***4#***	..	***277#***	..	..	..
Poland (consumers)	4432#	..	9365#	..	..	..	..	..
Republic of Korea ***(Total)***	..	..	..	***1410***	***1455***	***2200***	..	..
(producers)	111	..	..	10#	..	-#	..	..
(consumers)	..	..	..	1400#	..	2200#	..	..
Romania ***(Total)***	..	..	..	..	***243***	..	..	..
(producers)	..	..	..	..	174#	..	..	..
(consumers)	..	..	..	..	69#	..	..	..
Saudi Arabia (consumers)	..	..	..	..	..	..	..	..
Sweden ***(Total)***	..	..	..	..	..	..	..	..
(consumers)	1960#	..	..	..	..	..	..	..
(producers)	..	..	..	..	..	..	..	..
Trinidad and Tobago (consumers)	..	..	..	1752#	2002#	1879#	2224#	898#
Turkey ***(Total)***	..	..	..	..	..	..	..	149#
(producers)	..	..	***3091***	***3926***	..	***2734***	***2480#***	***3059#***
(consumers)	..	..	1793#	2310#	..	1329#	1273#	1452#
United States ***(Total)***	..	..	1298#	1616#	2326#	1405#	1207#	1607#
(producers)	***22551***	***22877***	***20182***	***25900***	***22977***	***28400***	***22857***	***20000E***
(consumers)	5113	6312	3296	4575	4795#	4853#	3783#	..
Venezuela (producers)	17438	16565	16886	15730#	15911#	17612#	19074#	..
Yugoslavia (former) (former) ***(Total)***	..	2033#	2845#	1184#	1969#	1670#	2477#	..
(producers)	..	..	***542***	***1917#***	..	..	..	..
(consumers)	..	..	259#	79#	..	..	..	..
Zimbabwe ***(Total)***	..	..	283#	1838#	..	..	..	..
(producers)	***5327***	..	***4782***	***5848***	***6045***	***7124***	***6833***	***6809***
(consumers)	3854#	..	4130#	4789#	5091#	5614#	5743#	5768#
	1473#	..	652#	1059#	954#	1510#	1090#	1041#

1 Reported stocks: inventories at the end of calendar year (31 December) held by producers at mines, plants or loading docks, or by consumers at iron, steel or sinter plants, as well as in receiving docks.

2 Dry weight.

21.A IRON ORE: Reported stocks by products (producers), 1993

(thousand tonnes)

Country or area	Non-agglomerated ores							Agglomerated	
	Run of mine[1]	Lumps[2]	Fines[3]	Concentrates[4]	Pellet-feed[5]	Others	Total	Pellets[6]	Sinter[7]
Australia	138	5,069	11,107	50	129	-	16,433	424	-
Canada	-	-	-	2,194	-	-	2,194	1,580	-
Chile	-	251	508	74	64	-	897	478	-
European Union	..	..	..	..	..	..	**2,625**	-	-
France	..	..	..	..	..	..	195	-	-
Germany	..	..	..	..	..	..	0	-	-
Spain	..	..	..	..	..	..	2,430	-	-
Sweden	-	79	457	6	-	-	542	356	-
Trinidad & Tobago	-	22	-	-	-	-	22	127	-
Turkey	-	187	1,147	34	-	-	1,368	84	-
Venezuela	-	703	1,774	-	-	-	2,477	-	-
Zimbabwe	-	-	5,436	..	..	..	5,768	-	-

21.B IRON ORE : Reported stocks by products (consumers), 1993

(thousand tonnes)

Country or area	Non-agglomerated ores							Agglomerated	
	Run of mine[1]	Lumps[2]	Fines[3]	Concentrates[4]	Pellet-feed[5]	Others	Total	Pellets[6]	Sinter[7]
Australia	123	174	863	-	85	-	1,245	49	25
European Union									
Belgium	..	..	..	..	..	..	581	65	235
Germany	..	..	..	..	..	..	1,256	353	300
Netherlands	..	..	..	..	..	..	617	102	40
Spain	..	..	..	..	..	..	268	45	90
Japan	..	..	..	..	..	..	12,954	971	1,443
Turkey	-	349	1,007	58	-	-	1,414	194	-
Zimbabwe	3	378	975	-	-	-	1,384	-	-

1 Marketable unprepared iron ore with more than 20 per cent fines.

2 Marketable iron ore between 10 and 30mm with usually less than 20 per cent fines.

3 Marketable fine ore, usually below 10mm (or similar size).

4 Marketable product from a concentrate plant.

5 Fine ore or concentrate very fine, usually below 0.1mm.

6 Iron ore fines agglomerated into a rough ball shape typically 10mm.

7 Agglomerated fines or concentrates and other iron bearing materials.

22. PIG IRON[1]: Production

(thousand tonnes)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993
WORLD	**496065**	**508160**	**537544**	**554014**	**532123**	**507027**	**499019**	**508110**
DEVELOPED MARKET ECONOMY COUNTRIES	**228447**	**231930**	**253547**	**266835**	**249980**	**243048**	**234705**	**241955**
AMERICA	**49121**	**53636**	**60059**	**60816**	**57173**	**52391**	**55998**	**56788**
Canada	9249	9719	9498#	10139#	7346	8268	8621	8633
United States	39872	43917	50561	50677	49827#	44123#	47377#	48155#
EUROPE	**93012**	**92989**	**102386**	**104135**	**100302**	**98147**	**92739**	**92461**
European Union	*84601*	*84752*	*93681*	*95134*	*91777*	*89564*	*84517*	*84011*
Belgium-Luxembourg	10724	10559	11701#	11607#	12082	11839	10779	10593
France	13714	13236	14786#	15071#	14414	13646	13051	12624
Germany	28592	28119	32453#	32777#	30098	30989	28548	26970
Italy	11898	11372	11376#	11788#	11882	10856	10461	11066
Netherlands	4628	4574	4994#	5163#	4960	4696	4849	5411
Portugal	422	430	445#	377#	340	251	402	397
Spain	4811	4804	4691#	5535#	5682	5404	5076	5394
United Kingdom	9812	11658	13235#	12816#	12319	11883	11351	11556
EFTA	*8411*	*8237*	*8705*	*9001*	*8525*	*8583*	*8222*	*8450*
Austria	3349	3417	3664	3823#	3452#	3441#	3074#	3070#
Finland	1978	2064	2180#	2300#	2283	2330#	2413#	2535
Norway	570	371	367#	240#	54	-	-	-
Sweden	2435	2315	2494	2638#	2736#	2812#	2735#	2845
Switzerland	79	70	-	-	-	-	-	-
SOUTH AFRICA	**5774**	**6317**	**6171**	**6513**	**6234**	**6968**	**6498**	**6121**
ASIA	**74651**	**73419**	**79221**	**89121**	**80144**	**79909**	**73086**	**79738**
Japan	74651	73419	79221#	89121	80144#	79909#	73086#	79738
OCEANIA	**5889**	**5569**	**5710**	**6050**	**6127**	**5633**	**6384**	**6847**
Australia	5889#	5569#	5710#	6050#	6127	5633	6384	6847#
DEVELOPING COUNTRIES AND TERRITORIES	**61838**	**65450**	**71745**	**74741**	**74069**	**78232**	**79939**	**83064**
AFRICA	**3259**	**3293**	**3099**	**3080**	**3055**	**3010**	**2738**	**2552**
Algeria	1400	1499	1500	1300#	1300E	1200E	930#	1000E
Egypt	1066	1071#	1112	1100E	1068#	1149#	1103#	1185#
Tunisia	149	163	128	155	148	172	158	165
Zimbabwe	644	560	359#	525#	539	489#	547#	202#
AMERICA	**27151**	**28199**	**30294**	**31453**	**28153**	**28243**	**28686**	**29653**
Argentina	1639	1775	1596#	2169#	1918	1437	971	990
Brazil	20163	21121#	23222#	24380	21141	22530#	22982#	23887
Chile	592	613	778	679	675	726	873	917
Colombia	319	326	370#	297	323	304	298	235
Mexico	3728	3712#	3678#	3230#	3665#	3039	3404#	3423
Peru	216#	178#	165#	209	117	207#	158	201
Venezuela	494	474	485#	489#	314#	-	-	-
ASIA	**28365**	**31091**	**35436**	**37306**	**40540**	**45713**	**47609**	**50757**
India	10514	10923	11724#	12080#	12644	14176	15126	15674
Iran,Islamic Rep.	250E	250E	250E	250E	1267	1952#	2053	1961
Malaysia	200E	200E	- #	-	-	-	95#	100E
Pakistan	895	905	905	910E	920E	910E	800E	800E
Republic of Korea	9003	11057	12578	14840#	15390#	18510#	19323	21776
Taiwan Province of	3740	3658	5487#	5708#	5491	5561	5292	6096
Thailand	10E	10E	10E	10E	10E	10	-	-
Turkey	3733#	4068#	4462#	3508#	4826#	4594#	4920#	4350#
Other Asia	20E	20E	20E	-	-	-	-	-
EUROPE	**3063**	**2867**	**2916**	**2902**	**2313**	**1266**	**906**	**102**
Yugoslavia (former)	3063	2867	2916#	2902#	2313#	1266	906	102

22. PIG IRON[1]: Production

(thousand tonnes)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993
COUNTRIES IN EASTERN EUROPE	**149340**	**149850**	**149312**	**148538**	**139568**	**112583**	**104937**	**90759**
Bulgaria	1605	1657	1484	1484	1143	960	848	900E
Czechoslovakia (former)	9573	9788	9706	9911#	9667	8479	8034#	7855
Germany (former (German Dem. Rep.)	2738	2755	2786	2732	2159	-	-	-
Hungary	2061	2109	2000#	1951	1708	1311	1176	1408
Poland	10194	10121	9837#	9488	8352	6355	6348	6175
Romania	9329	9500E	8941#	9051#	6355#	4525#	3111	3191#
USSR (former)	113840	113920	114558#	113921#	110184#	90953	85420	71230
of which								
Ukraine	..	..	..	..	..	..	34663	26999
Russian Fed.	..	..	..	..	59200#	48900#	45824	40599
SOCIALIST COUNTRIES OF ASIA	**56440**	**60930**	**62940**	**64100**	**68506**	**73164**	**79438**	**92332**
China	50640	55030	57040	58200	62606	67164	73438	86332
Democratic People's Republic of Korea	5800	5900E	5900E	5900E	5900E	6000E	6000E	6000E

1 Pig iron: primary iron produced from iron ore in blast furnaces.

23. SPONGE IRON (DRI)[1]: Production

(thousand tonnes)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993
WORLD	**12654**	**13630**	**13872**	**15501**	**17258**	**19202**	**21172**	**24405**
DEVELOPED MARKET ECONOMY COUNTRIES	**2070**	**1980**	**2060**	**2189**	**2292**	**2232**	**2725**	**2971**
AMERICA	**850**	**940**	**1060**	**996**	**1122**	**970**	**1028**	**1184**
Canada	690	730	770	705	732	560	639	744#
United States	160	210	290	291	390	410	389#	440#
EUROPE	**170**	**200**	**270**	**353**	**310**	**362**	**403**	**275**
European Union	*170*	*200*	*270*	*353*	*310*	*260*	*300*	*180*
Germany	170	200	270	353	310	260	300	180
EFTA	-	-	-	-	-	*102*	*103*	95
Sweden	-	-	-	-	-	102	103#	95#
SOUTH AFRICA	**780**	**840**	**730**	**840**	**860**	**900**	**910**	**870**
OCEANIA	**260**	-	-	-	-	-	**384**	**642**
New Zealand	260	-	-	-	-	-	384	642
DEVELOPING COUNTRIES AND TERRITORIES	**9834**	**10390**	**10132**	**11812**	**13276**	**15270**	**16881**	**19990**
AFRICA	**140**	**610**	**902**	**1040**	**1331**	**1520**	**1723**	**1834**
Egypt	30	470	770	817	710	620	826#	850
Libyan Arab Jamahiriya	-	-	-	90	500	790	847	944
Nigeria	110	140	132	133	121	110	50	40
AMERICA	**5976**	**6453**	**5938**	**6957**	**7018**	**8226**	**8648**	**9367**
Argentina	950	1040	1067	1166	1035	960	1017	1156
Brazil	300	200	195	239	280	226	230#	250
Mexico	1370	1551	1686	2163	2525	2490	2394#	2737
Peru	56	52	49	50	30	24	30	-
Trinidad and Tobago	380	490	593	695	800	710	675	734#
Venezuela	2920	3120	2348	2044	2346	3816	4300	4490
ASIA	**3718**	**3327**	**3292**	**4215**	**4929**	**5524**	**6247**	**8798**
India	148	177	195	360	750	1180	1440	2210
Indonesia	1300	1030	980	1210	1410	1430	1370	1395#
Iran,Islamic Rep.of	-	-	-	40	300	584	980	1770
Iraq	-	-	100	200	170	-	-	-
Malaysia	580	590	427	644	620	620	480#	710
Myanmar(Union of)	30	20	20	20	20	20	20	20
Qatar	490	470	495	534	574	570	617	573
Saudi Arabia	1170	1040	1075	1207	1085	1120	1611	2015
COUNTRIES OF EASTERN EUROPE	**750**	**1260**	**1680**	**1700**	**1690**	**1700**	**1580**	**1540**
USSR (former)	750	1260	1680	1700	1690	1700	1580	1540

1 Sponge iron or DRI: primary iron produced through direct reduction, without exceeding the melting temperature.

24. METALLICS : Reported consumption[1], 1991-1993

(thousand tonnes)

Country or area	Pig iron			Sponge iron			Ferrous scrap[2]		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
Australia	..	..	7,580	..	-	-	..	..	1,220
Brazil	19,970	..	..	226	..	..	5,714	..	..
Canada	8,176	8,046	9,027	-	-	-	6,622	6,431	7,395
European Union	*88,839*	*83,812*	..	..	..	..	*63,385*	*62,676*	*63,209*
Belgium-Lux.	11,858	10,809	..	..	..	..	4,415	3,905	4,297
Denmark	93	66	..	..	..	..	610	571	572
France	12,984	12,440	..	..	..	..	7,422	7,383	7,177
Germany	29,951	27,612	..	..	..	..	15,855	15,598	14,548
Greece	1	-	25	..	..	..	1,092	1,012	1,094
Ireland	-	-	-	-	-	-	327	287	360
Italy	10,831	11,084	..	..	..	..	16,975	17,172	17,447
Netherlands	4,700	4,862	..	..	..	..	1,003	1,059	1,177
Portugal	235	382	..	..	..	..	419	478	552
Spain	5,447	4,810	..	..	..	..	9,095	9,105	9,420
United Kingdom	12,136	11,747	..	..	..	..	6,097	6,106	6,565
Egypt	1,201	1,064	1,185	..	..	..	316	1,160	335
Finland	2,330	2,413	-	-	-	-	545	601	..
Indonesia	..	..	262	..	..	1,634	..	..	2,502
Iran,Islamic Rp.of	1,774	..	..	469	..	..	320	..	..
Japan	81,395	72,595	73,599	-	-	-	46,969	42,720	43,110
Malaysia	..	63	..	..	60	..	..	66	..
Peru	192	..	..	18	..	..	35	..	..
Republic of Korea	18,690	..	..	-	-	-	810	..	..
Sweden	2,845	2,720	2,820	-	-	-	2,095	..	..
Slovenia	..	314	..	..	..	..	..	..	..
Thailand	..	159	..	..	-	..	..	863	.
Turkey	6,880	4,920	4,940	38	33	5,450	6,160	7,900	
United States	43,991	47,096	47,888	..	..	..	45,450	47,091	53,043
Venezuela	26	-	1	2,229	2,468	2,370	745	794	701
Zimbabwe	440	18	200	-	-	-	..	..	38

1 Reported consumption in iron and steel works

2 Ferrous scrap high in Fe used by the steel industry

25. METALLICS: Reported exports, 1991-1993

(thousand tonnes)

Country or area	Pig iron			Sponge iron			Ferrous scrap[2]		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
Brazil	2,560	2,415	..	-	-	-	..	..	..
Bulgaria	..	5.7	-	-	-	-	-	-	-
Canada	4	3	61	-	-	76	1,334	820	125
Czechoslovakia	55	-	79	-	60	..	..	..	..
France	..	-	-	..	..	..	3,442	..	..
Germany	..	-	-	..	..	..	7,251	..	..
India	1	..	..	-	-	-	87	..	..
Japan	22	..	..	-	-	-	362	1,722	1,568
Moldova Rep.	..	..	31	-	-	-	..	..	2
New Zealand	..	..	..	..	..	..	..	38	..
Norway	58	..	..	-	0	..	4	3	2
Romania	..	..	5	-	-	-	..	..	17
Spain	0	..	..	..	..	..	25	..	..
Sweden	9	32	45	5	9	9	237	66	231
Thailand	-	-	-	-	-	-	10	..	
Turkey	193	39	-	-	-	-	10	11	-
Trinidad and Tobago	..	..	-	..	..	224	..	..	26
United Kingdom	..	..	..	..	..	..	3,215	..	..
United States	16	33	26	5	0	17	9,345	9,203	9,869
Latvia	..	-	..	..	..	-	60	1	..
Venezuela	-	-	-	678	667	440	15	55	41
Zimbabwe	..	..	4	-	..	-	..	..	-

26. METALLICS : Reported imports, 1991-1993

(thousand tonnes)

Country or area	Pig iron			Sponge iron			Ferrous scrap[2]		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
Bulgaria	35	9.4	..	-	-	-	-	-	-
Canada	..	..	29	-	-	..	789	871	..
Colombia	..	..	..	-	..	16	..	..	316
Czech Rep.	..	..	91	..	..	..	..	..	..
Egypt	..	75	..	..	..	-	..	200	..
Estonia	..	..	1	..	..	4	..	..	..
France	..	..	..	1	22	..	..	..	..
Germany	..	..	..	10	16	..	..	..	..
India	245	..	..	-	-	..	3,152	..	..
Indonesia	..	..	262	-	-	239	..	..	1,763
Japan	3,375	1,477	1,636	103	135	..	821	328	913
Latvia	88	12	14	-	-	-	98	4	0
Malaysia	..	25	-	-	-	-	734	274	..
Mexico	..	15	..	..	106	..	..	544	..
Moldova Rep.	..	..	5	..	..	.	..	..	0.7
New Zealand	..	-	..	..	5	..	..	..	0
Norway	5	3	5	19	25	30	0	0	1
Philippines	..	..	..	..	152	..	..	..	..
Republic of Korea	150	..	..	-	..	..	690	..	..
Romania	..	3	19	..	-	-	..	-	1
Slovenia	..	13	12	..	-	0	..	1	2
Spain	212	..	..	105	..	..	4,259	..	..
Sweden	29	16	25	-	-	-	165	281	468
Thailand	82	159	..	..	..	..	501	816	..
Trinidad and Tobago	..	..	..	..	..	..	..	..	5
Turkey	240	396	698	38	33	-	4,443	4,434	6,373
United States	435	496	827	380	542	1,015	-	-	1,545
Venezuela	-	304	-	216	131	-	46	23	21

27. CRUDE STEEL[1]: Production

(thousand tonnes)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993
WORLD	**713310**	**735098**	**778345**	**784805**	**767253**	**732101**	**718110**	**725505**
DEVELOPED MARKET ECONOMY COUNTRIES	**341762**	**348851**	**378425**	**383019**	**377412**	**368686**	**357560**	**365707**
AMERICA	**88113**	**95613**	**105515**	**104310**	**101199**	**92725**	**98255**	**103180**
Canada	14081	14737	14866#	15458#	12281	12987	13933	14387#
United States	74032#	80876#	90649#	88852#	88918#	79738#	84322#	88793#
EUROPE	**139219**	**139239**	**151461**	**153651**	**149660**	**149917**	**144934**	**145930**
European Union	*125714*	*125958*	*137426*	*139578*	*136572*	*137490*	*132379*	*132168*
Belgium-Luxembourg	13420	13085	14883#	14687#	14953	14710	13398	13464
Denmark	632	605	650#	624#	609	632	591	603
France	17670	17432	18598#	18692#	19021	18401	17961	17109
Germany	37134	36248	41023#	41073#	38434	42169	39711	37625
Greece	1010	906	959#	956#	999	980	924	1023
Ireland	208	220	271#	324#	326	293	257	326
Italy	22985	22819	23762#	25216#	25472	25110	24842	25691
Netherlands	5283	5082	5518#	5681#	5412	5171	5439	5983
Portugal	721	732	811#	761#	746	541	749	745
Spain	11882	11691	11886#	12765#	12705	12932#	12295	12974
United Kingdom	14769	17136	19065#	18799#	17895	16551	16212	16625
EFTA	*13505*	*13281*	*14035*	*14073*	*13088*	*12427*	*12555*	*13762*
Austria	4292	4301	4560#	4718#	4291#	4186	3953	4149#
Finland	2586	2668	2798#	2921#	2861	2600#	2748#	3256
Norway	836	851	910#	678#	376#	438#	446#	506
Sweden	4716	4595	4779	4692#	4455#	4248#	4358#	4591#
Switzerland	1075	866	988	1064	1105	955	1050	1260
SOUTH AFRICA	**9055**	**8836**	**8709**	**9567**	**8738**	**8358**	**8496#**	**8726**
ASIA	**98385**	**98629**	**105780**	**108009**	**110466**	**109739**	**98240**	**99723**
Israel	110	116	99	100	135	90	109	100E
Japan	98275	98513	105681#	107909#	110331	109649#	98131#	99623
OCEANIA	**6990**	**6534**	**6960**	**7482**	**7349**	**6947**	**7635**	**8148**
Australia	6703#	6125#	6400#	6800#	6630#	6141	6877	7298#
New Zealand	287	409	560	682	719	806	758	850
DEVELOPING COUNTRIES AND TERRITORIES	**91007**	**98769**	**109337**	**114322**	**113235**	**120015**	**126950**	**137539**
AFRICA	**3512**	**3961**	**4410E**	**4130**	**3257**	**3523**	**5157**	**5233**
Algeria	1450	1533	1412	1042	836	840#	820#	865
Egypt	1013	1433	2025	2011	881#	1077#	2565#	2811
Morocco	6E	5E	5E	5E	5E	5E	5	5
Nigeria	134#	137#	139#	213#	220	114	200E	150E
Tunisia	181	188	162	197	184	193	181	182
Zimbabwe	674	597	602	592#	579	526#	547#	220#
Other Africa	54	68	65E	70	552	768	839	1000
AMERICA	**37671**	**39518**	**42194**	**42547**	**38372**	**38699**	**40557**	**42583**
Argentina	3242#	3603#	3624#	3893#	3657	2972	2661	2862
Bolivia	5E	- E	- #	-	-	-	-	-
Brazil	21228#	22228#	24657#	25017	20582	22617#	23934#	25149
Chile	706	720	899	813	773	805	994	1064
Colombia	632	690	712	706	710	664	689	685
Cuba	411	402	363	432#	340#	300E	200E	90
Mexico	7225#	7642#	7779#	7851#	8726#	7964#	8435#	9126
Peru	358#	400#	463#	397	284	235#	300	414
Trinidad and Tobago	331	388	363	347	380#	444	532	492
Uruguay	31	30	30	37	38	44	53	60
Venezuela	3402	3297#	3165#	2942#	2787	2558	2668#	2565#
Other America	100	118	139	112	95	96	91	76

27. CRUDE STEEL[1]: Production
(concluded)

(thousand tonnes)

Region country or area	1986	1987	1988	1989	1990	1991	1992	1993
ASIA	**45325**	**50953**	**58286**	**63163**	**68018**	**75518**	**79623**	**89017**
Bangladesh	116	120	120	120E	120E	120E	100E	100E
Hong Kong	120E	120E	120E	150E	150E	150	150	150
India	12197	13121	14309	14608	14963	17100	18117	18155
Indonesia	1729	2059	1850	2303#	2892	3089	2949	3442#
Iran,Islamic Rep.of	838	839	978	1081	1425	2203#	2937	3672
Malaysia	450	600	700	800	900	900E	872#	900E
Pakistan	900	1000	1200	1200E	1200E	1200E	1000E	1000E
Philippines	209#	261#	252#	400E	400E	605	497	500
Qatar	507	492	527	585	571	564	575	620
Republic of Korea	14555	16782	19118	21873	23126	26001	28054	33027
Saudi Arabia	1100	1365	1614	1810	1833	1783	1823	2357
Singapore	390	441	432	495	489	510	482	520
Syrian Arab Rep.	70E	60E	60E	30#	70#	70#	70E	70E
Taiwan Province of	5545	5915	8288	9047	9747	10973	10705	11970
Thailand	450	534	535	550E	600E	715#	810#	900E
Turkey	5927#	7044#	7983#	7901#	9322#	9335#	10252#	11414#
United Arab Emirates	50E	40E	40E	40E	40E	30E	40E	40E
Other Asia	172	160	160	170	170	170	190	180
EUROPE	**4519**	**4367**	**4487**	**4502**	**3608**	**2295**	**1633**	**726**
Yugoslavia (former)	4519#	4367#	4487#	4502#	3608#	2295	1633	726
COUNTRIES OF EASTERN EUROPE	**221649**	**224368**	**224208**	**219099**	**203135**	**165761**	**146324**	**125536**
Bulgaria	2898	3044	2880	2899	2180#	1615#	1552#	1941
Czechoslovakia (former)	15112	15416	15379#	15465#	14813	12071	11144#	10739
of which								
Czech Rep.	..	..	..	..	..	..	7282	6776#
Slovak Rep.	..	..	..	..	..	..	3858	3970
Germany (former G.D.R.)	7967	8243	8133	7829	5587	-	-	-
Hungary	3715	3622	3580#	3305	2962	1862	1559	1736
Poland	17144	17146	16885#	15094	13553	10432	9867	9936
Romania	14276	14962	14314#	14415#	9754#	7115#	5372	5446#
USSR	160537	161935	163037#	160092#	154286#	132666	116830	95738
of which								
Kajakstan	..	..	..	..	..	5940	5675	4279
Latvia	..	..	..	..	..	373#	246#	300#
Russian Fed.	..	..	..	..	89600	77076	67003	58236
Ukraine	..	..	..	..	52646#	44995#	41759	30357
SOCIALIST COUNTRIES OF ASIA	**58872**	**63080**	**66335**	**68345**	**73451**	**77619**	**87256**	**96703**
China	52208	56280	59431	61430	66349	70436	80037	89453
Democratic People's Republic of Korea	6600	6730	6830	6830	7000	7000	7000	7000
Viet Nam	64	70	74	85	102	183	219	250E

1 Crude steel: raw form of steel measured at the first stage of solidification, except for liquid steel casting.

2 The statistical series for the former German Democratic Republic stops in 1990. This should be taken into account for the comparison of the total of countries in eastern Europe which will be lower and the total in the European Union which will be higher.

Annex. Iron-ore questionnaire

Replies

Country or area	Date of reply	A		B				C	D			E	
		A.1	A.2	B.1	B.2	B.3	B.4		D.1	D.2	D.3	E.1	E.2
Argentina	9 May 94	#	-	-	-	-	-	-	-	-	-	-	-
Australia	22 April 94	#	#	-	-	#	#	#	#	#	#	#	#
Austria	19 July 94	#	#	#	#	#	-	#	-	#	-	-	-
Canada	3 June 94	#	-	-	#	-	-	#	#	#	#	-	-
Chile	5 July 94	#	-	-	-	-	-	#	#	-	-	-	-
Czech Rep.	21 June 94	-	#	#	-	#	-	-	-	#	-	-	-
European Union	29 June 94	#	#	#	#	#	#	#	#	#	#	-	-
Egypt (92/93)	9 March 94	#	#	#	#	#	#	#	-	-	-	-	-
Greece	29 June 94	-	-	-	-	#	-	-	-	-	-	-	-
India (92/93)	22 March 94	#	-	-	-	-	-	#	-	-	-	-	-
Indonesia	1 March 94	-	-	#	#	#	#	#	-	-	-	-	-
Japan	4 April 94	-	#	#	#	#	-	#	-	#	-	-	-
Kazakhstan	30 June 94	#	#	-	-	#	-	-	#	-	-	-	#
Korea Rep.	23 February 94	#	-	-	-	-	-	-	-	#	-	-	-
Latvia	22 March 94	-	-	#	#	#	-	#	#	#	#	-	-
Morocco	14 April 94	#	-	-	-	-	-	-	#	-	#	-	-
Norway	23 February 94	#	-	-	-	-	-	-	#	#	#	-	-
Philippines	26 June 94	#	-	-	-	-	-	-	-	-	-	-	-
Romania	1 April 94	#	#	#	#	#	#	-	-	#	-	-	-
Slovenia	18 April 94	-	-	#	#	-	-	-	#	-	-	-	-
South Africa	2 June 94	#	-	#	-	-	-	-	#	-	-	-	-
Spain	18 April 94	#	-	#	#	-	-	-	#	#	-	-	-
Sweden	28 March 94	#	#	#	#	#	#	#	#	#	#	#	-
Thailand	24 March 94	#	-	#	-	-	-	-	-	-	-	-	-
Trinidad & Tobago	30 March 94	-	-	#	#	#	-	#	-	#	#	-	-
Tunisia	4 February 94	#	-	-	-	-	-	-	#	-	-	-	-
Turkey	11 April 94	#	#	#	#	#	#	#	-	#	#	#	-
United States	6 June 94	#	-	#	-	-	-	#	#	#	#	-	#
Uruguay	6 June 94	#	-	-	-	-	-	-	-	-	-	-	-
Venezuela	12 May 94	#	#	#	#	#	#	#	#	-	-	#	-
Zimbabwe	17 February 94	#	#	#	#	#	-	#	-	-	-	-	#

CONTENTS: Iron ore

A. Production and production capacity

A.1. Iron ore production by products

A.2. Production of agglomerates by iron and steel producers

B. Consumption

B.1. Iron ore consumption by products

B.2. Iron ore consumption by source

B.3. Iron ore consumption in metallurgical uses

B.4. Iron ore consumption in non-metallurgical uses

C. Stocks

D. International Trade

D.1. Volume of exports by destination and product type

D.2. Volume of imports by origin and product type

D.3. Value of exports and/or imports

E. Production Capacity

E.1. Planned additions

E.2. Planned reductions

Note:

Afghanistan, Botswana, Central African Rep., Cote d'Ivoire, Oman replied to the questionnaire but have no iron ore or steel industry.

Annex. Iron-ore questionnaire

Replies (*concluded*)

Country or area	Date of reply	F.1			F.2	F.3			G.1			G.2	H		
		F.1.1	F.1.2	F1.3		F3.1	F3.2	F3.3	G1.1	G1.2	G1.3		H.1	H.2	H.3
Australia	22 April 94	#	-	#	-	#	#	#	#	-	#	#	-	-	-
Austria	25 March 94	#	-	-	-	#	#	#	-	-	-	-	-	-	-
Canada	3 June 94	#	#	#	-	#	#	#	#	#	#	-	#	#	#
Czech Rep.	21 June 94	-	-	-	-	#	#	#	-	-	-	-	#	#	-
Egypt (92/93)	8 March 94	#	-	#	-	#	#	#	#	#	#	#	-	-	-
Estonia	22 March 94	-	-	-	-	-	-	-	-	-	-	-	#	#	#
Greece	29 June 94	-	-	-	-	#	#	#	#	-	#	#	-	-	-
India (92/93)	22 March 94	#	-	-	-	#	#	-	-	-	-	-	-	-	-
Indonesia	1 March 94	-	#	#	#	#	#	#	#	#	#	#	-	#	-
Japan	4 April 94	#	-	#	-	#	#	-	-	-	#	-	#	#	-
Latvia	22 March 94	-	-	-	-	#	#	#	#	#	#	#	-	#	#
Moldova Rep.	13 June 94	-	-	-	-	#	-	-	#	-	-	-	#	#	#
Norway	23 February 94	-	-	-	-	-	-	-	-	-	-	-	#	#	#
Romania	1 April 94	#	#	#	#	#	#	#	#	#	#	#	#	#	#
Slovenia	18 April 94	-	-	#	#	#	#	-	-	-	-	-	#	#	#
Spain	18 April 94	-	-	-	-	#	#	#	-	-	-	-	-	-	-
Sri Lanka	31 January 94	-	-	-	-	#	#	-	-	-	#	#	-	-	-
Sweden	28 March 94	#	#	#	#	#	#	#	#	-	-	#	#	#	#
Turkey	11 April 94	#	-	#	#	#	#	#	#	#	#	#	-	#	#
United States	6 June 94	#	#	#	#	#	-	#	#	-	#	-	#	#	#
Venezuela	12 May 94	#	#	#	#	#	#	#	#	#	#	#	#	#	#
Zimbabwe	17 February 94	#	-	#	-	#	#	#	#	-	#	#	#	-	-

CONTENTS : Iron and Crude steel

F.1. Production of Metallics

F.1.1. Pig iron

F.1.2. Sponge iron or DRI

F.1.3. Ferrous scrap generation

F.2. Production of ferro-alloys

F.3. Crude steel production

F.3.1. By process

F.3.2. By utilization

F.3.3. Share of continuous casting

G.1. Consumption of metallics

G.1.1. Pig iron

G.1.2. Sponge iron or DRI

G.1.3. Ferrous scrap

G.2. Average consumption of metallics per ton of steel output

H. International trade in metallics

H.1 Volume of exports of metallics by destination

H.2. Volume of imports of metallics by origin

H.3. Value of exports and/or imports of metallics